

TM 9-1430-250-12P /10/2

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**OPERATOR AND ORGANIZATIONAL
MAINTENANCE REPAIR PARTS
AND SPECIAL TOOL LISTS
ILLUSTRATION SUPPLEMENT
FOR**

**RADAR COURSE DIRECTING CENTRAL
TRACKING STATION, GUIDED MISSILE,
TRAILER MOUNTED AN/MPA-5A
AND AN/MPA-5B**

**(IMPROVED NIKE-HERCULES AIR DEFENSE
GUIDED MISSILE SYSTEM)**



HEADQUARTERS, DEPARTMENT OF THE ARMY

APRIL 1964

TECHNICAL MANUAL
No. 9-1430-250-12P/10/2

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 24 April 1964

RADAR COURSE DIRECTING CENTRAL
TRACKING STATION, GUIDED MISSILE,
TRAILER MOUNTED AN/MPA-5A, AND AN/MPA-5B

(IMPROVED NIKE-HERCULES AIR DEFENSE GUIDED MISSILE SYSTEM)

	Page
SECTION I. PREFACE	i
II. ILLUSTRATIONS	1
III. NUMERICAL INDEX	341

SECTION I.

PREFACE

1. General

This technical manual is an illustration supplement to TM 9-1430-250-12P/10/1. The purpose of this supplement is to furnish the user illustrations that will depict and identify all authorized repair parts, tools and equipment listed in TM 9-1430-250-12P/10/1.

2. Illustrations

Items that appear on the illustrations, but which are not listed in TM 9-1430-250-12P/10/1, are not authorized items. In such cases, or where discrepancies exist between information found in this supplement and TM 9-1430-250-12P/10/1, the information found in the latter manual will prevail for requisitioning purposes.

3. Numerical Index

The numerical index in this supplement is an alpha-numerical listing furnished to aid in locating illustration coverage

of authorized items listed in TM 9-1430-250-12P/10/1. In order to locate illustrations on which authorized items may be found, the authorized item reference number appearing in the description column of TM 9-1430-250-12P/10/1 must be checked with the number appearing in the numerical index of this supplement. The figure number column in the numerical index of this supplement identifies the figure where the item may be found. In certain cases the item appears on two or more figures. In such cases the additional figures are also shown. To locate the item, refer to the figure shown in this column and to the item number shown in the item number column.

4. Special Information

- a. The following list is to aid in locating components, assemblies, and subassemblies.

*This manual supersedes TM 9-1430-250-12P/10/2, 27 March 1963.

List of Illustrations

<i>Illustration Title</i>	<i>Figure No.</i>	<i>Illustration Title</i>	<i>Figure No.</i>
Tracking station group, guided missile (9143629 and 9988894) -----	1	Coder, radar, guided missile (8159347) -----	44
Fan, centrifugal HD-167/M (8010350) -----	4	Coder, radar, guided missile (8159349) -----	49
Power supply (9150864) ---	5	Generator, pulse (8159346) -----	55
Panel (9150897) -----	7	Panel, indicator (9989172) -----	59
Panel (8515174) -----	8	Console, radar control (8158377) -----	60
Regulator, voltage CN-280/M (9137641) -----	9	Control-indicator group (8158375) -----	63
Power supply (9016020) ---	12	Relay assembly (8511352) -----	66
Regulator, voltage CN-281/M (7620552) -----	13	Amplifier, electronic control (9006949) -----	67
Power supply PP-1161A/M (9986425) -----	15	Simulator, radar signal SM-76/M (8009261) -----	69
Timer, interval (7620519) -----	16	Control, simulator (8009340) -----	72
Timer, interval (9154656) -----	18	Amplifier, electronic control (9993034) -----	73
Power supply PP-1178/M (7621591) -----	19	Amplifier, electronic control (8517364) -----	76
Resistor assembly (7614563) -----	20	Control drawer, missile track (8511278) -----	78
Control, indicator (9150879) -----	21	Switch assembly, tele- phone connecting (9005424) -----	82
Power supply PP-1160B/M (9140697) -----	24	Range indicator sub- assembly (9980113) -----	83
Resistor assembly (9005513) -----	25	Amplifier, electronic control AM-1056/M (7614253) -----	84
Blower (9140816) -----	26	Amplifier, electronic control (9005495) -----	85
Coder set, radar KY-229/ MPA (8512239) -----	27	Range indicator sub- assembly (9980112) -----	87
Panel test, electrical (8159350) -----	29	Resistor assembly (8513380) -----	88
Panel assembly (9005531) -----	30	Control, antenna C-1469/M (7621540) -----	89
Relay-resistor assembly (9005389) -----	31	Control, antenna (7620500 and 7620662) -----	90
Panel assembly (9136090) -----	32	Power supply (9159938) ---	91
Relay-resistor assembly (8513129) -----	34	Amplifier, electronic control (9143325) -----	95
Panel, indicator (8513128) -----	35	Indicator range (8517432) -----	96
Synchronizer, electrical (9983715) -----	36		
Synchronizer, electrical (9983937) -----	40		

<i>Illustration Title</i>	<i>Figure No.</i>	<i>Illustration Title</i>	<i>Figure No.</i>
Generator, sweep O-475/ MPA (8172375) -----	99	Generator, signal (8171572) -----	155
Amplifier, electronic control AM-1077/M (8171393) -----	102	Control, receiver (9007334) -----	158
Amplifier, video (8517446) -----	104	Amplifier, electronic control (9155814) -----	160
Indicator, azimuth and elevation (9140712) -----	106	Converter, wave form (9140771) -----	161
Chassis assembly (9140709) -----	108	Generator assembly, pulse (9143996) -----	164
Generator, pulse O-301/M (8007721) -----	109	Generator, pulse (8173973) -----	168
Oscilloscope OS-49/M (8007722) -----	111	Amplifier, electronic control (8517944) -----	170
Generator, pulse O-300A/M (9000007) -----	116	Control, antenna (8008199) -----	172
Generator assembly (8012692) -----	119	Attenuator, fixed (9010277) -----	173
Generator, pulse (9142849) -----	120	Generator, pulse (9143941) -----	174
Oven assembly (9140175) --	122	Transmitter, position (9143795) -----	177
Amplifier-mixer stage (8513525) -----	123	Drive, centrifugal clutch (8172355) -----	180
Relay, amplifier assembly (9998581) -----	125	Gear assembly, dial drive (8171866) -----	181
Generator, pulse O-303/M (8007725) -----	126	Oscillator subassembly (9141254) -----	182
Generator, pulse O-304/M (8007726) -----	128	Oscillator subassembly (9141257) -----	184
Generator, pulse O-305/M and O-306/M (8007727 and 8007728) -----	131	Amplifier-control group (8158372) -----	186
Adapter, test (8520413) ---	133	Amplifier, trigger (9139862) -----	187
Switch rotary (7611318) ---	136	Transmitter, position (8158365) -----	190
Radar set group (9141141) -----	137	Amplifier-oscillator (8172414) -----	194
Converter, wave form (9008187) -----	142	Amplifier-oscillator (8172373) -----	196
Generator, signal (9143780) -----	145	Detector, radio frequency (9009270) -----	198
Network (9156478) -----	147	Control, electrical fre- quency (9009464) -----	202
Control transmitter (9156446) -----	148	Amplifier, intermediate frequency (9009281) ---	205
Control transmitter (9156445) -----	149	Amplifier-detector (9009562) -----	207
Monitor, error voltage (9156506) -----	150	Amplifier-detector (9997999) -----	213
Filter, band pass (9996138) -----	152		

<i>Illustration Title</i>	<i>Figure No.</i>	<i>Illustration Title</i>	<i>Figure No.</i>
Console, radar control (9143789) -----	218	Generator, pulse sweep (9139349) -----	275
Regulator (8012233) -----	222	Generator (9139336) -----	277
Panel (9145898) -----	223	Indicator, azimuth and indicator, elevation (9143731 and 9143732) ---	279
Display panel, missile battery (9145752) -----	224	Amplifier, electronic control (9156311) -----	282
Indicator, range (9139121) -----	225	Control-power supply (9988701) -----	284
Generator (9143848 and 9998462) -----	229	Amplifier, trigger pulse- video (9986339) -----	288
Amplifier, electronic control (9156065) -----	232	Synchronizer, electrical (9144786) -----	291
Amplifier, video (9136917) -----	234	Synchronizer, electrical (9989392) -----	293
Control, radio beacon (9142864) -----	237	Generator, pulse (9144785) -----	295
Indicator, azimuth range (9993732) -----	239	Amplifier, direct current (9145772) -----	297
Resistor assembly (9144886) -----	245	Generator, pulse (9007682) -----	299
Power supply (9986438) ---	246	Generator, pulse (9145780) -----	301
Amplifier, direct current (9145029) -----	247	Power supply assembly (9140922) -----	303
Modulation eliminator (9160636) -----	248	Synchro assembly (9995973) -----	304
Generator, sweep (9144701) -----	249	Detector, range error (9144784) -----	305
Amplifier, video (9986413) -----	251	Control, receiver- transmitter (9141310) ---	309
Capacitor-resistor assembly (9985419) ----	254	Control-indicator (9139145) -----	317
Generator, electrical marker (9160617) -----	255	Control-indicator (10167333) -----	318
Antenna control group (9143655) -----	256	Switch, transmission line assembly (9011982) ----	322
Panel (9143656) -----	261	Detector, video signal (9012970) -----	323
Amplifier, audio frequency (9140767) -----	262	Filter (914588) -----	324
Resistor assembly (9160779) -----	263	Filter assembly (9011984) -----	325
Resistor assembly (9160778) -----	264	Amplifier, intermediate frequency (9012908) ----	326
Resistor assembly (9995949) -----	265	Detector, video signal (9012941) -----	327
Amplifier, electronic control (9995950) -----	266	Synchronizer, electrical (9136696) -----	331
Control indicator (9139490) -----	268		
Amplifier, video (9139125) -----	272		

<i>Illustration Title</i>	<i>Figure No.</i>	<i>Reference No.</i>	<i>Assembly</i>	<i>Figure No.</i>
Control, receiver (9155859) -----	335	8007727	Generator, pulse	
Miscellaneous apparatus --	337		O-305/M	131,132
Key set (41-W-2417-80) --	338	8007728	Generator, pulse	
Miscellaneous electrical apparatus -----	339		O-306/M	131,132
Tool kit, radar control ---	340	8008199	Control, antenna	172
Test equipment set (9005464) -----	341	8009261	Simulator, radar signal	
Telephone equipment ----	342		SM-76/M	69-71

b. The following is a cross-reference numerical list of the items appearing in the above List of Illustrations.

<i>Reference No.</i>	<i>Assembly</i>	<i>Figure No.</i>	
10167333	Control- indicator	318-321	8158365
41-W- 2417-80	Key set	338	8158372
7611318	Switch, rotary	136	
7614253	Amplifier, electronic control AM-1056/M	84	8158375
7614563	Resistor assembly	20	8158377
7620500	Control, antenna	90	8159346
7620519	Timer, interval	16,17	8159347
7620552	Regulator, voltage CN-281/M	13,14	8159349
7620662	Control, antenna	90	
7621540	Control, antenna C-1469/M	89	8159350
7621591	Power supply PP-1178/M	19	8171393
8007721	Generator, pulse O-301/M	109,110	8171572
8007722	Oscilloscope OS-49/M	111-115	8171866
8007725	Generator, pulse O-303/M	126,127	8172355
8007726	Generator, pulse O-304/M	128-130	8172373

Reference No.	Assembly	Figure No.	Reference No.	Assembly	Figure No.
8172375	Generator, sweep O-475/MPA	99-101	9006949	Amplifier, electronic control	67,68
8172414	Amplifier-oscillator	194,195	9007334	Control, receiver	158,159
8173973	Generator, pulse	168,169	9007682	Generator, pulse	299, 300
8511278	Control drawer, missile track	78-81	9008187	Converter, wave form	142-144
8511352	Relay assembly	66	9009270	Detector, radio frequency	198-201
8512239	Coder set, radar KY-229/MPA	27,28	9009281	Amplifier, intermediate frequency	205,206
8513128	Panel, indicator	35	9009464	Control, electrical frequency	202-204
8513129	Relay-resistor assembly	34	9009562	Amplifier-detector	207-212
8513380	Resistor assembly	88	9010277	Attenuator, fixed	173
8513525	Amplifier-mixer stage	123,124	9011982	Switch, transmission line assembly	322
8515174	Panel	8	9011984	Filter assembly	325
8517364	Amplifier, electronic control	76,77	9012908	Amplifier, intermediate frequency	326
8517432	Indicator, range	96,98	9012941	Detector, video signal	327-330
8517446	Amplifier, video	104,105	9012970	Detector, video signal	323
8517944	Amplifier, electronic control	170,171	9016020	Power supply	12
8520413	Adapter, test	133-135	9136090	Panel assembly	32,33
9000007	Generator, pulse O-300A/M	116-118	9136696	Synchronizer, electrical	331-334
9005389	Relay-resistor assembly	31	9136917	Amplifier, video	234-236
9005424	Switch assembly telephone connecting	82	9137641	Regulator voltage	
9005464	Test equipment set	341	9139121	CN-280/M	9-11
9005495	Amplifier, electronic control	85,86	9139125	Indicator, range	225-228
9005513	Resistor assembly	25	9139145	Amplifier, video	272-274
9005531	Panel assembly	30	9139336	Control-indicator	317
				Generator	277,278

<i>Reference No.</i>	<i>Assembly</i>	<i>Figure No.</i>	<i>Reference No.</i>	<i>Assembly</i>	<i>Figure No.</i>
9139349	Generator, pulse sweep	275,276	9143795	Transmitter, position	177-179
9139490	Control- indicator	268-271	9143848	Generator	229-231
9139862	Amplifier, trigger	187-189	9143941	Generator, pulse	174-176
9140175	Oven assembly	122	9143996	Generator assembly, pulse	164-167
9140697	Power supply PP-1160B/M	24	9144701	Generator, sweep	249,250
9140709	Chassis assembly	108	9144784	Detector, range error	305-308
9140712	Indicator, azimuth and elevation	106,107	9144785	Generator, pulse	295,296
9140767	Amplifier, audio frequency	262	9144786	Synchronizer, electrical	291,292
9140771	Converter, wave form	161-163	9144886	Resistor assembly	245
9140816	Blower	26	9145029	Amplifier, direct current	247
9140922	Power supply assembly	303	9145752	Display panel, missile battery	224
9141141	Radar set group	137-141	9145772	Amplifier, direct current	297,298
9141254	Oscillator subassembly	182,183	9145780	Generator, pulse	301,302
9141257	Oscillator subassembly	184,185	9145888	Filter	324
9141310	Control, receiver transmitter	309-316	9145898	Panel	223
9142849	Generator, pulse	120,121	9150864	Power supply	5,6
9142864	Control, radio beacon	237,238	9150879	Control- indicator	21-23
9143325	Amplifier electronic control	95	9150897	Panel	7
9143655	Antenna con- trol group	256-260	9154656	Timer, interval	18
9143656	Panel	261	9155814	Amplifier, electronic control	160
9143731	Indicator, azimuth	279-281	9155859	Control, receiver	335,336
9143732	Indicator, elevation	279-281	9156065	Amplifier, electronic control	232,233
9143780	Generator, signal	145,146	9156311	Amplifier, electronic control	282,283
9143789	Console, radar control	218-221	9156445	Control, transmitter	149

Reference No.	Assembly	Figure No.	Reference No.	Assembly	Figure No.
9156446	Control, transmitter	148	9993732	Indicator, azimuth range	239-244
9156478	Network	147	9995949	Resistor assembly	265
9156506	Monitor, error voltage	150,151	9995950	Amplifier, electronic control	266,267
9159938	Power supply	91-94	9995973	Synchro assembly	304
9160617	Generator, electrical marker	255	9996138	Filter, band pass	152-154
9143629	Tracking station, group guided missile	1	9997999	Amplifier-detector	213-217
9160636	Modulation eliminator	248	9998462	Generator	229-231
9160778	Resistor assembly	264	9998581	Relay, amplifier assembly	125
9160779	Resistor assembly	263			
9980112	Range indicator subassembly	87			
9980113	Range indicator subassembly	83			
9983715	Synchronizer, electrical	36-39			
9983937	Synchronizer, electrical	40-43			
9986339	Amplifier, trigger pulse-video	288-290			
9986413	Amplifier, video	251-253			
9986419	Capacitor-resistor assembly	254			
9986425	Power supply PP-1161A/M	15			
9986438	Power supply	246			
9988701	Control-power supply				
9938894	Tracking station group, guided missile	284-287			
9989172	Panel, indicator	1-3			
9989392	Synchronizer, electrical	59			
9993034	Amplifier, electronic control	293,294			
		73			

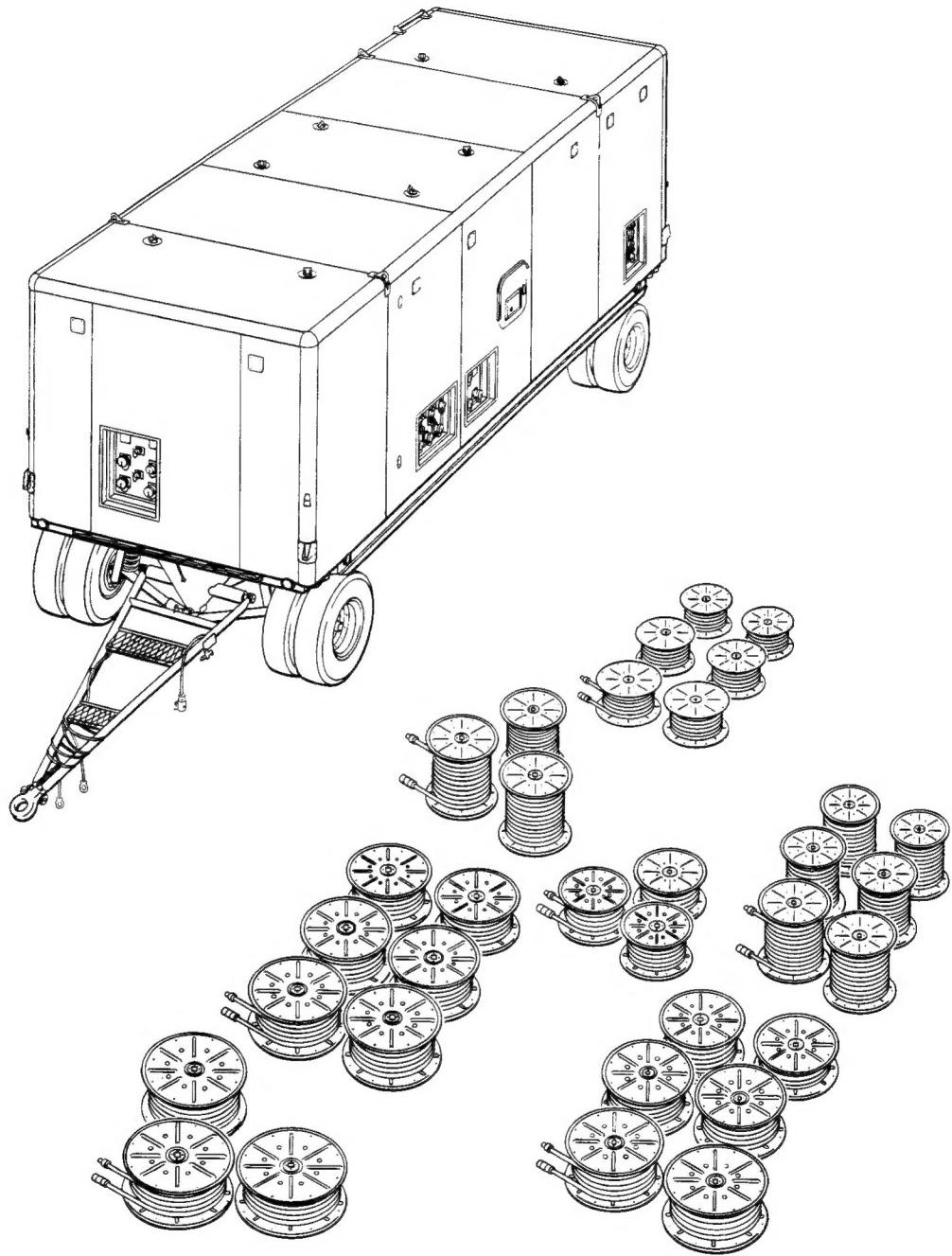
5. Reporting of Equipment Manual Improvements

The direct reporting of errors, omissions and recommendations for improving this equipment manual by the individual user, is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form may be completed using pencil, pen, or typewriter. DA Forms 2028 will be completed in triplicate and forwarded by the individual using the manual. The original and one copy will be forwarded direct to:

Commanding General
U. S. Army Missile Command
ATTN: AMSMI-SMPS
Redstone Arsenal, Alabama 35809

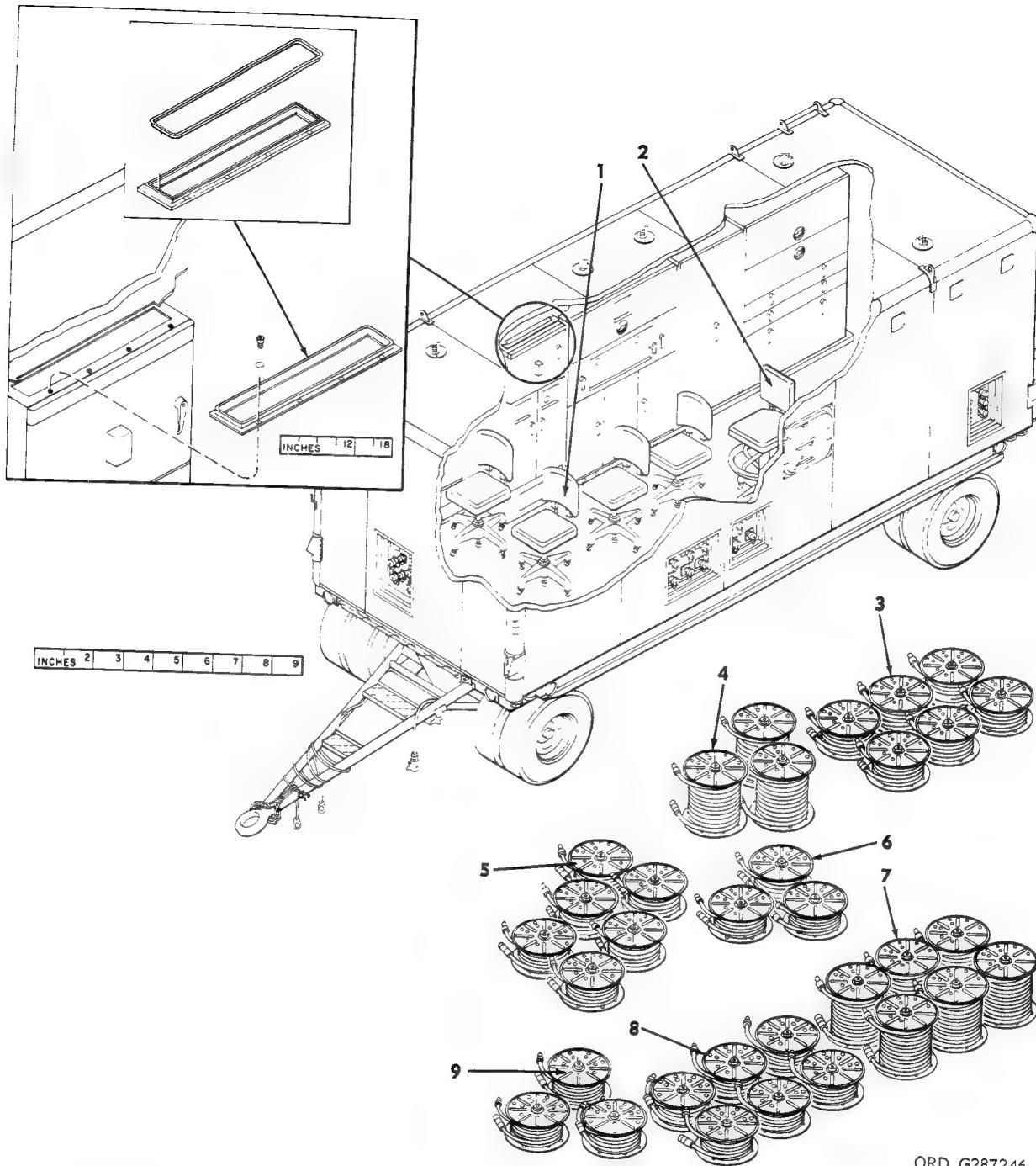
One information copy will be provided to the individual's immediate supervisor (e.g., officer, noncommissioned officer, supervisor, etc.).

**SECTION II.
ILLUSTRATIONS**



ORD G19664

Figure 1. Tracking station group, guided missile (9143629 and 9988894)—partial exploded view



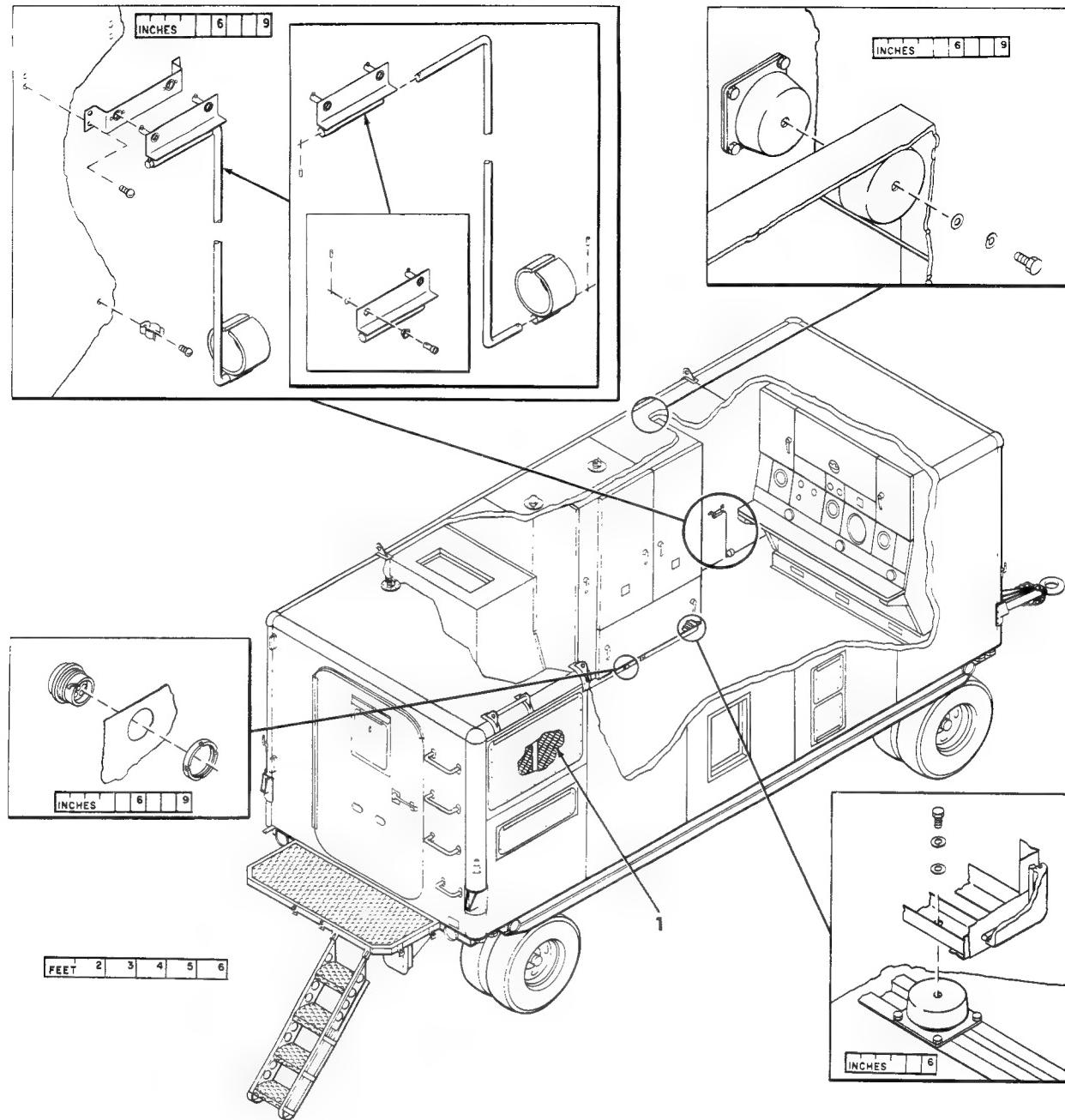
ORD G287246

1 CHAIR 8010424
 2 CHAIR 9144063
 3 CABLE ASSEMBLY AND REEL
 8171824
 4 CABLE ASSEMBLY AND REEL
 8007327

5 CABLE ASSEMBLY AND REEL
 7612367
 6 CABLE ASSEMBLY AND REEL
 7612362
 7 CABLE ASSEMBLY AND REEL
 7612363

8 CABLE ASSEMBLY AND REEL
 7612364
 9 CABLE ASSEMBLY AND REEL
 9993998

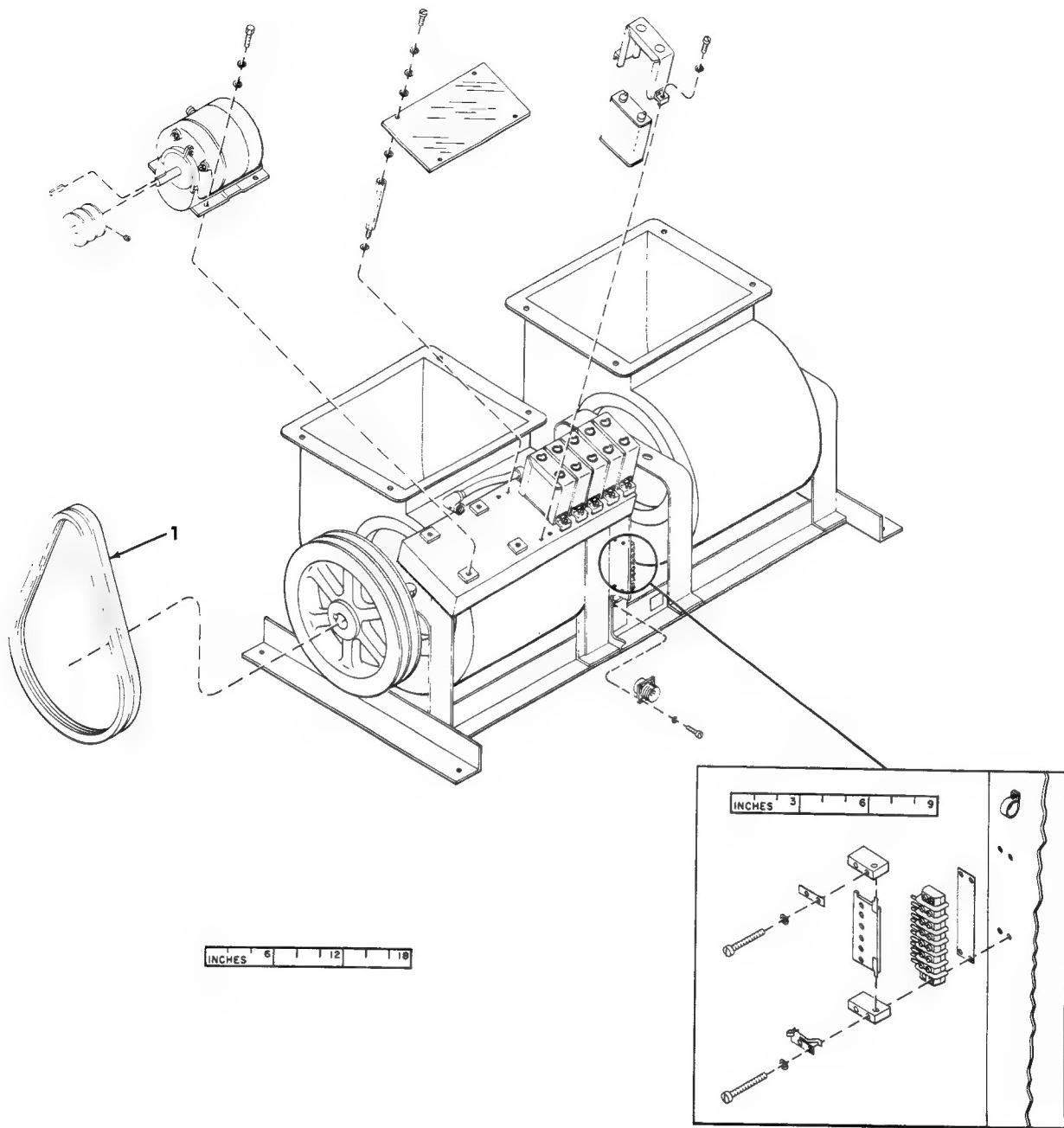
Figure 2. Tracking station group, guided missile (9143629 and 9988894) - partial exploded view



ORD G287245

1 FILTER 8175666

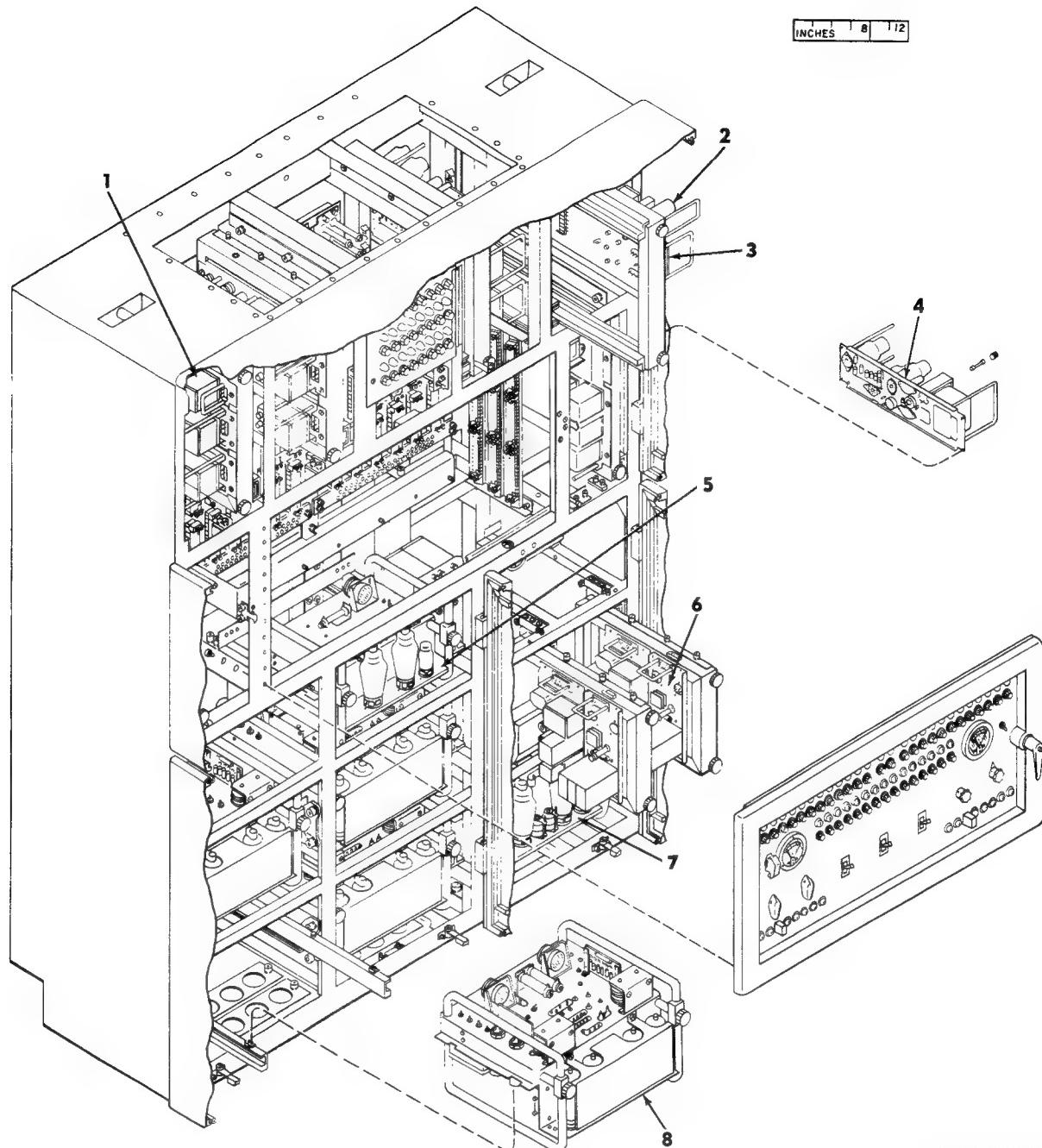
Figure 3. Tracking station group, guided missile (9143629 and 9988894)—partial exploded view



ORD G78601

I BELT 8175553

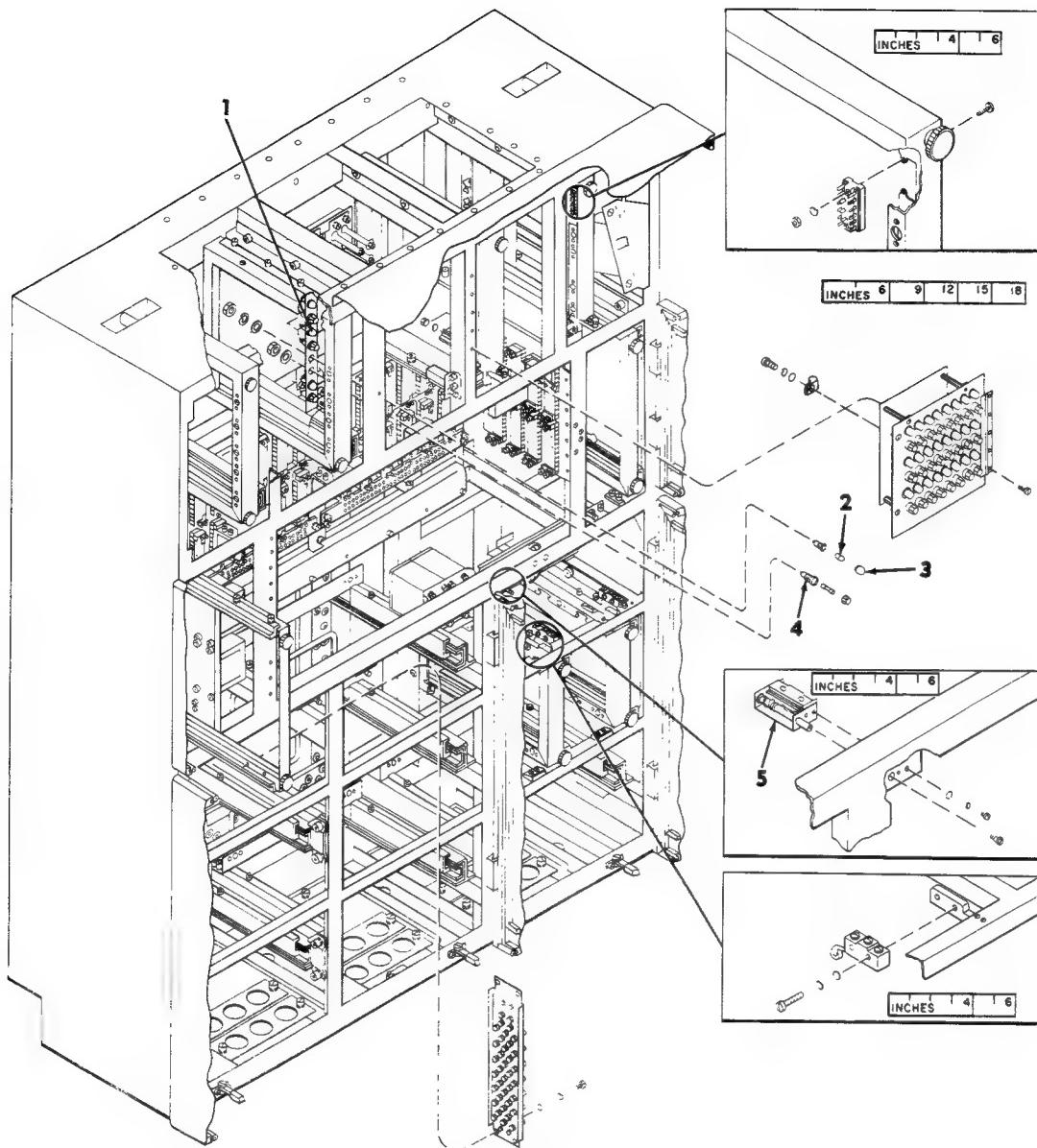
Figure 4. Fan, centrifugal HD-167/M (8010350) - exploded view



ORD G284127

- | | |
|------------------------|------------------------|
| 1 POWER SUPPLY 9016020 | 5 POWER SUPPLY 9986425 |
| 2 REGULATOR 7620552 | 6 TIMER 9154656 |
| 3 POWER SUPPLY 9986424 | 7 POWER SUPPLY 7621591 |
| 4 REGULATOR 9137641 | 8 POWER SUPPLY 9140697 |

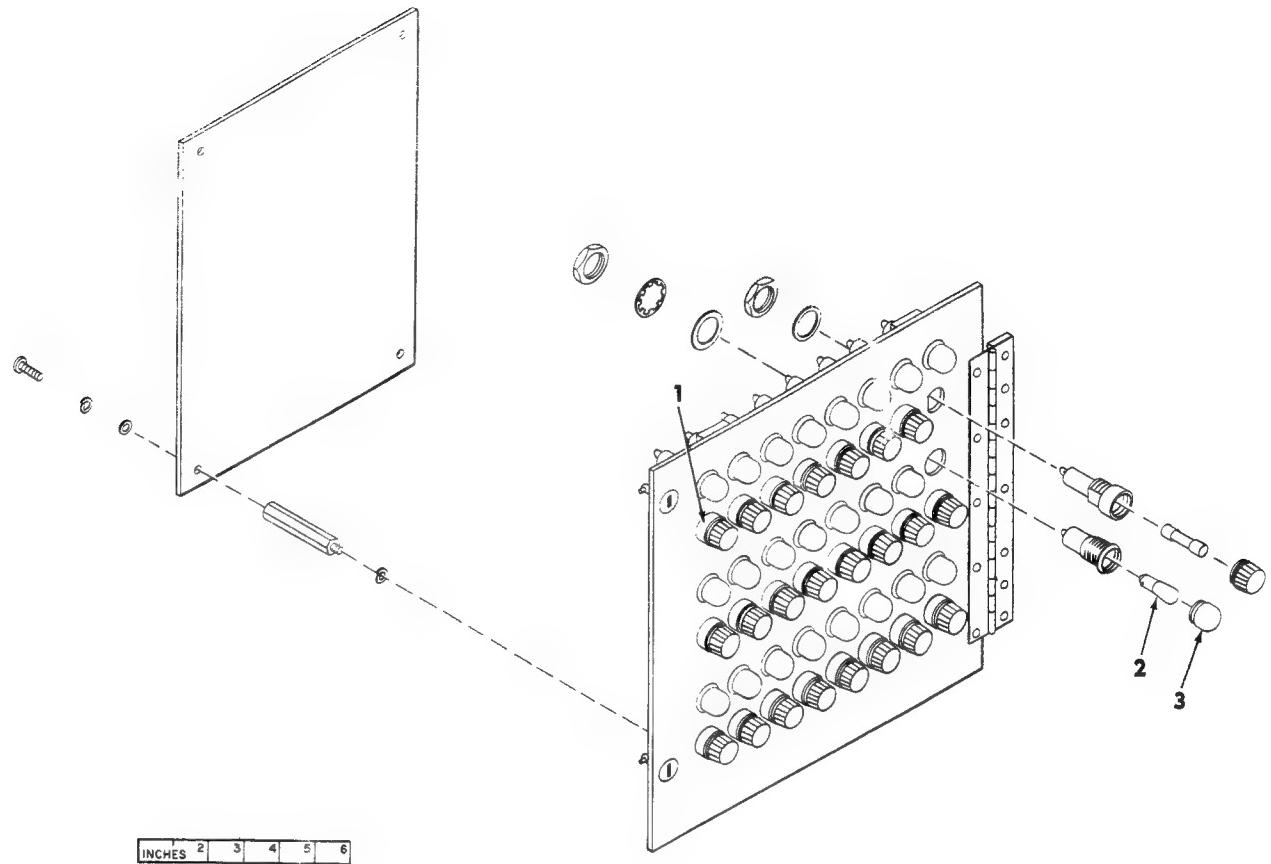
Figure 5. Power supply (9150864)—partial exploded view



ORD G284128

- 1 LAMP MS-25231-1619
 2 LAMP 7605718
 3 LENS 8328096
 4 FUSEHOLDER 9144073
 5 SWITCH 7602749

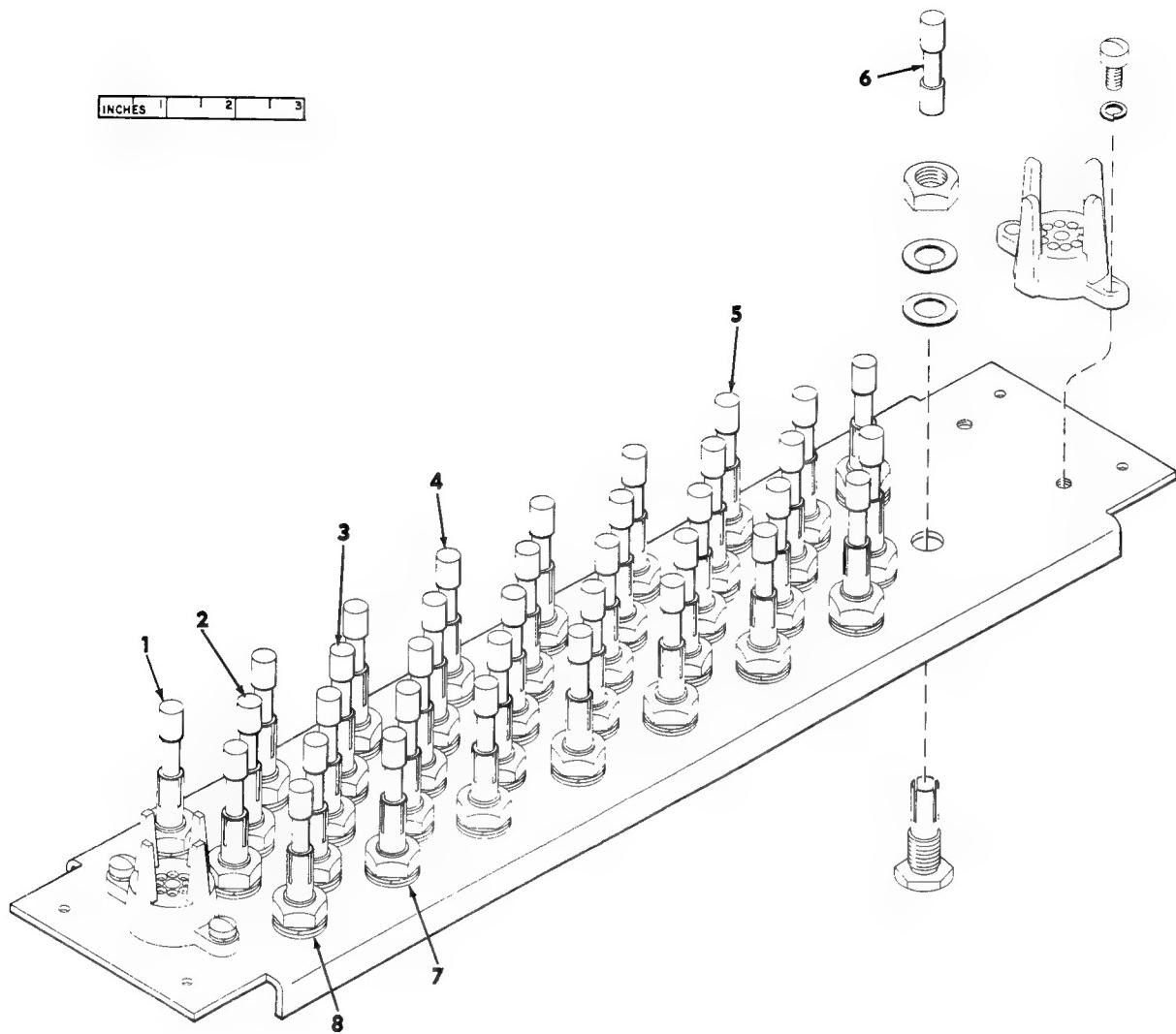
Figure 6. Power supply 9150864.—partial exploded view



ORD G284129

1 FUSE NAS-441-4-5
 2 LAMP 7605718
 3 LENS 8328096

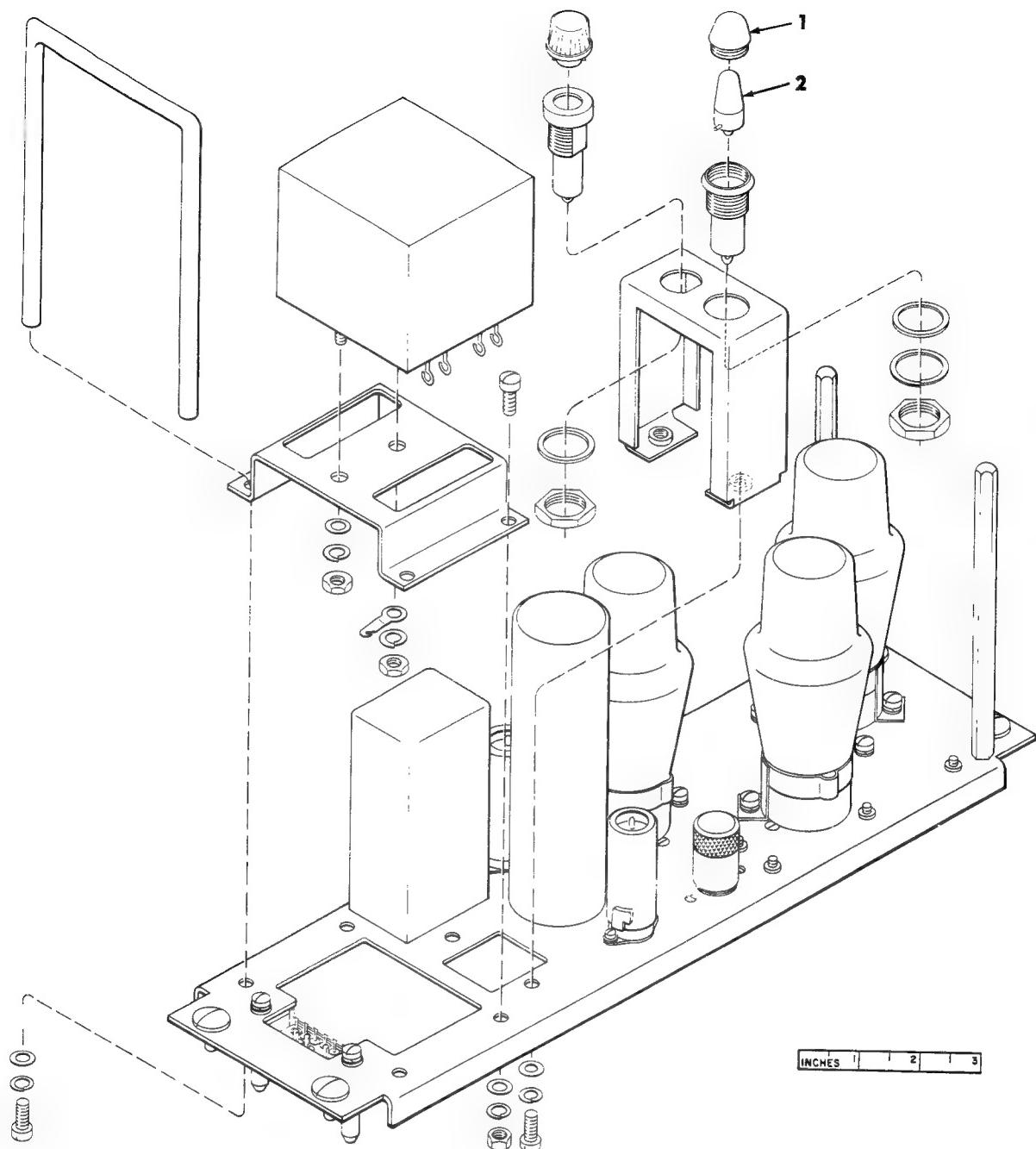
Figure 7. Panel (9150897) - exploded view



ORD G284130

- | | | |
|---|------|-------------|
| 1 | FUSE | 9986952 |
| 2 | FUSE | 9150659 |
| 3 | FUSE | NAS-441-4-5 |
| 4 | FUSE | F05B32B15A |
| 5 | FUSE | 8173585 |
| 6 | FUSE | 8175384 |
| 7 | FUSE | 8034518-6 |
| 8 | FUSE | 9986952-2 |

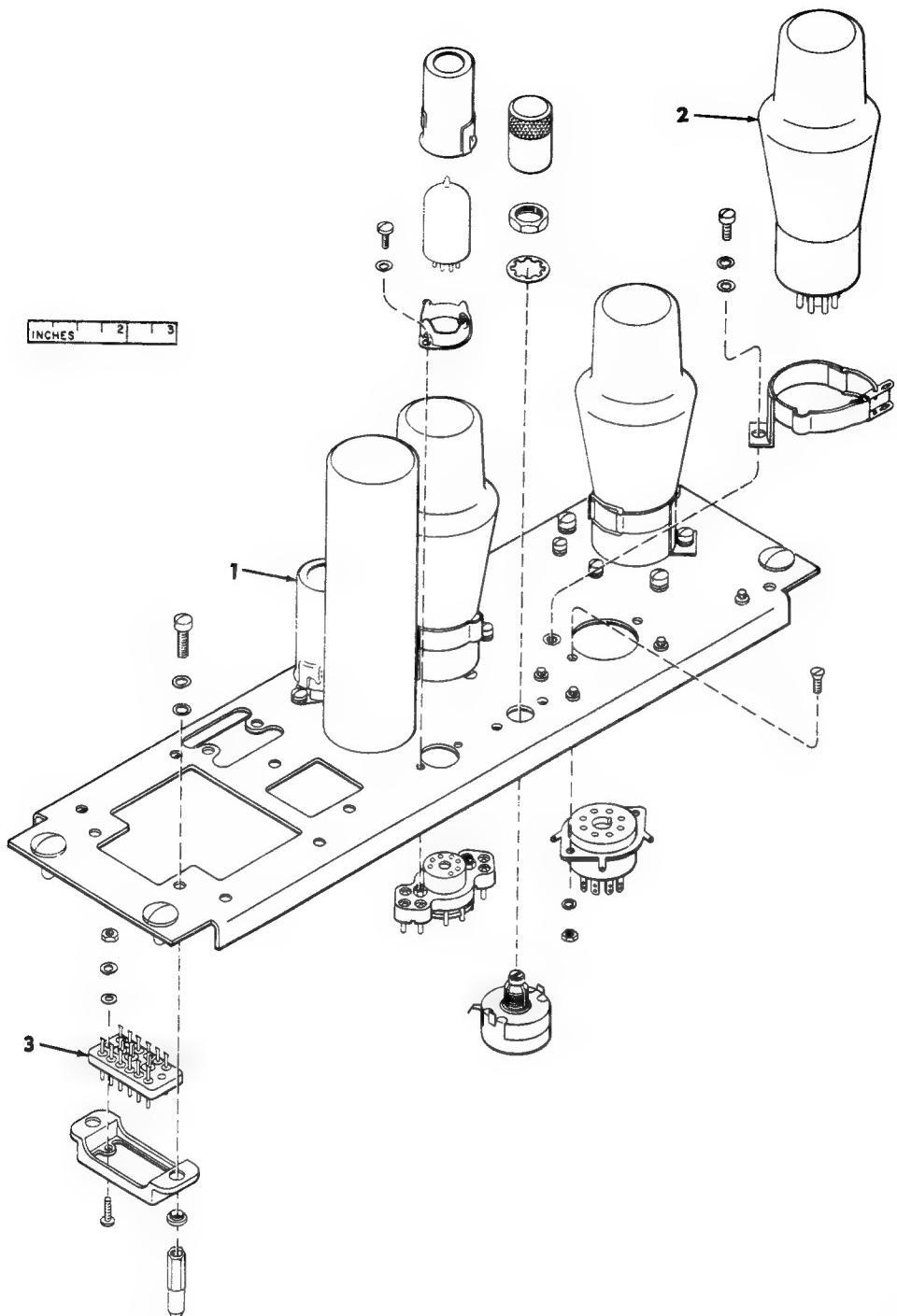
Figure 8. Panel (8515174)—exploded view



ORD G284131

1 LENS 8328096
 2 LAMP 7605718

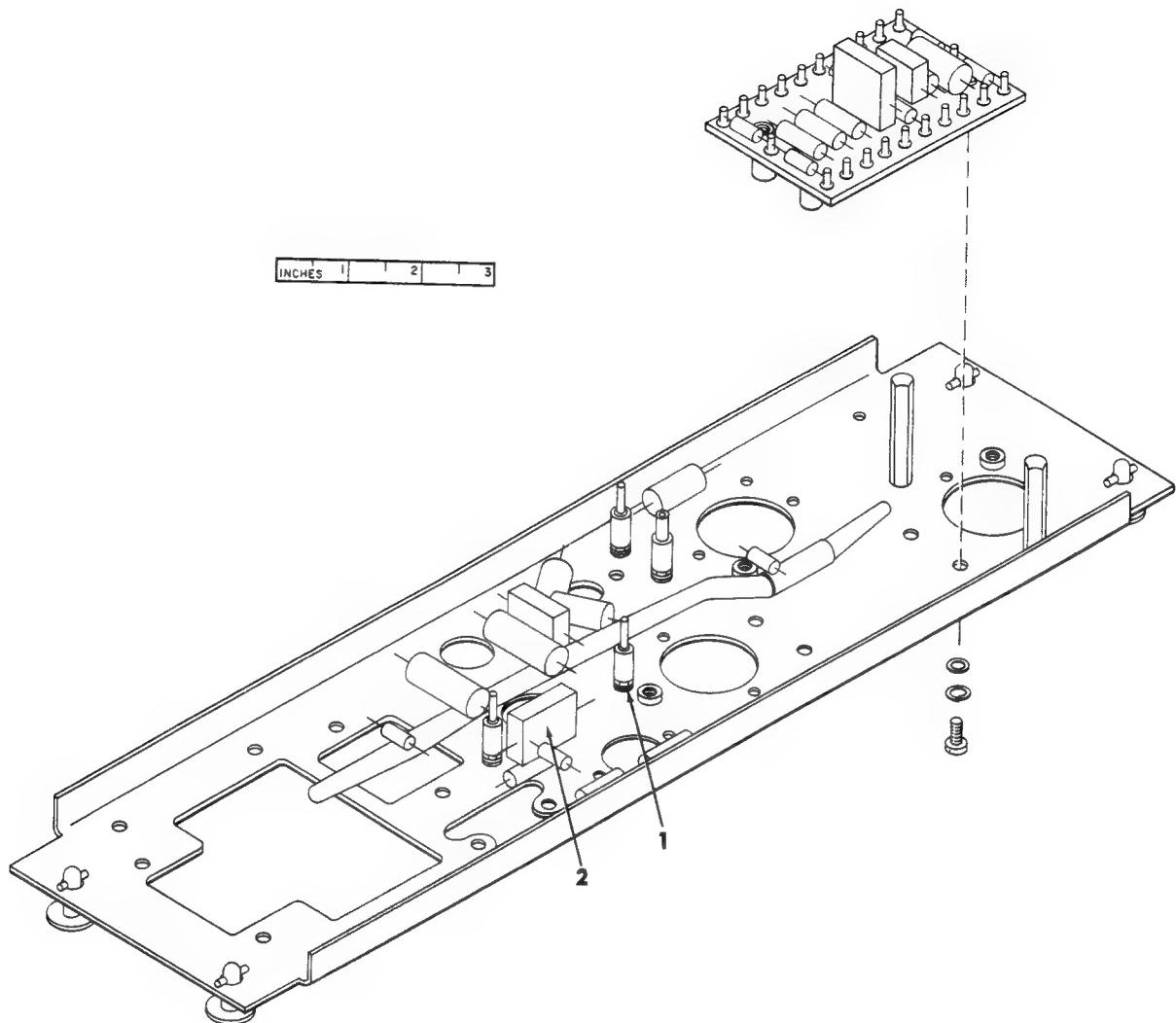
Figure 9. Regulator, voltage CN-280/M (9137641)—partial exploded view



ORD G259891

- 1 ELECTRON TUBE 5755
- 2 ELECTRON TUBE 6AS7G
- 3 CONNECTOR 7598934

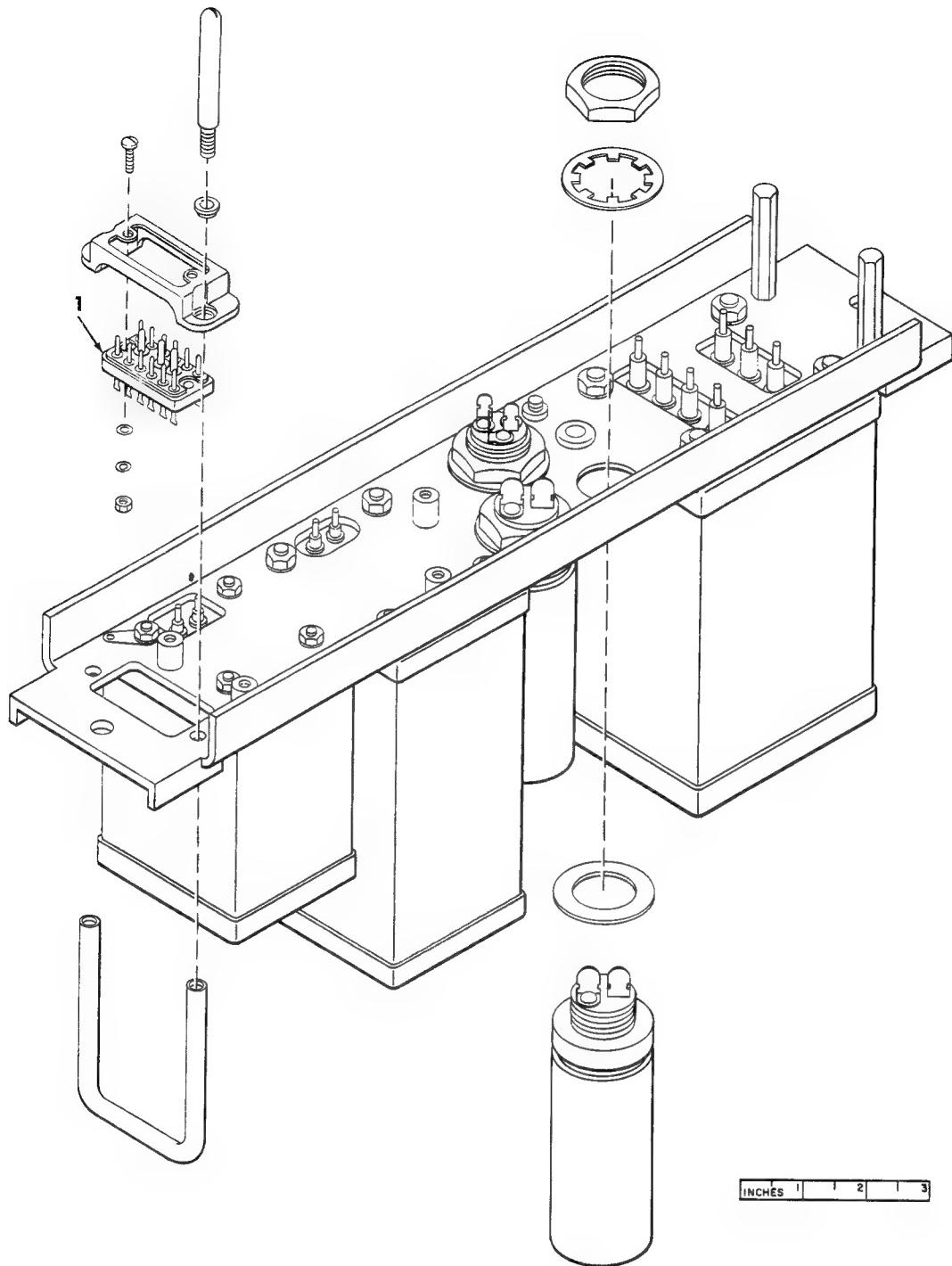
Figure 10. Regulator, voltage CN-280/M (9137641)—partial exploded view



ORD G284132

1 TERMINAL 7598949
2 CAPACITOR CM35E103J

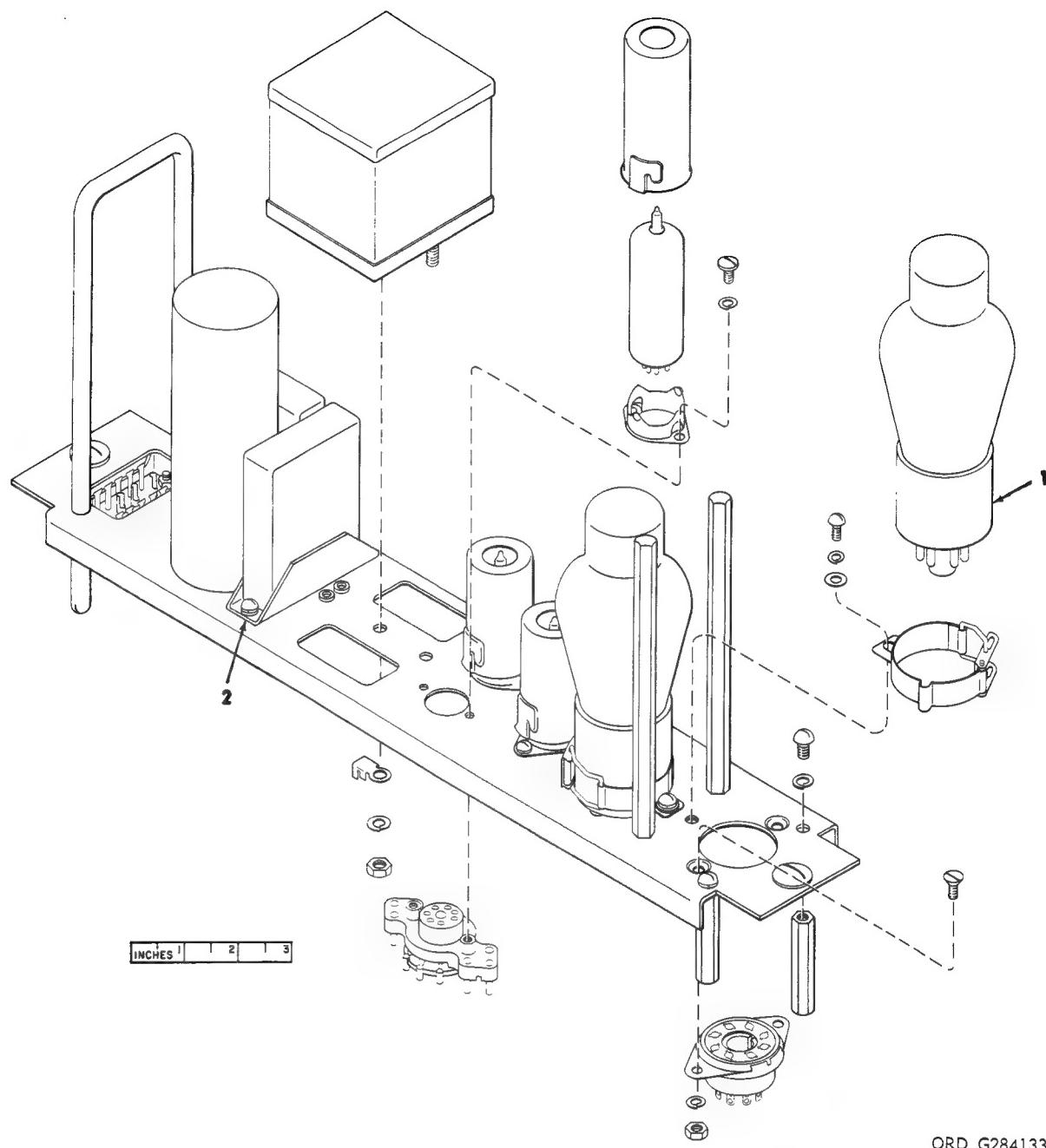
Figure 11. Regulator, voltage CN-280/M (9137641)—partial exploded view



ORD G259893

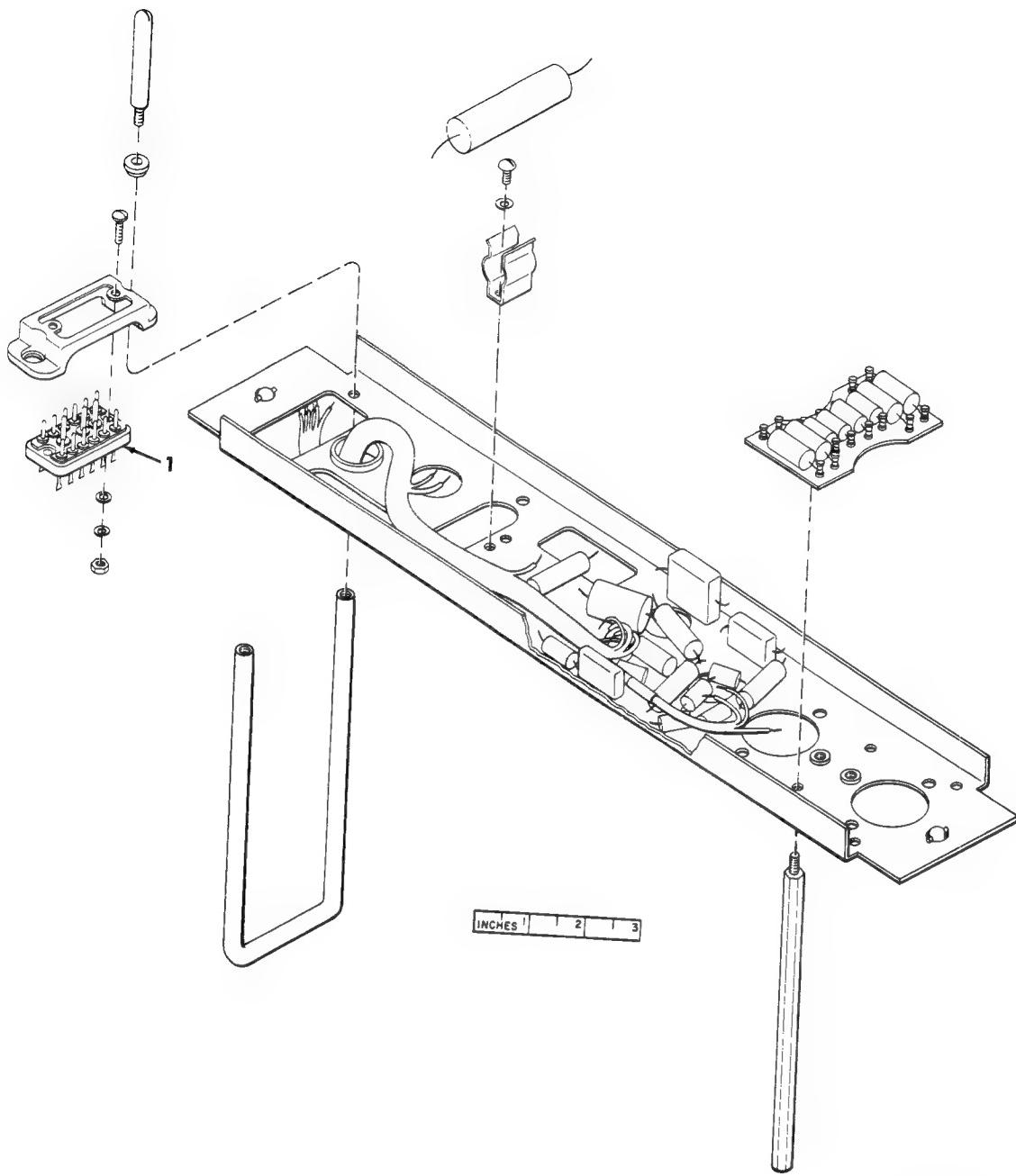
1 CONNECTOR 7598934

Figure 12. Power supply (9016020)—exploded view



1 ELECTRON TUBE 6AS7G
 2 CAPACITOR CP6981EF105K1

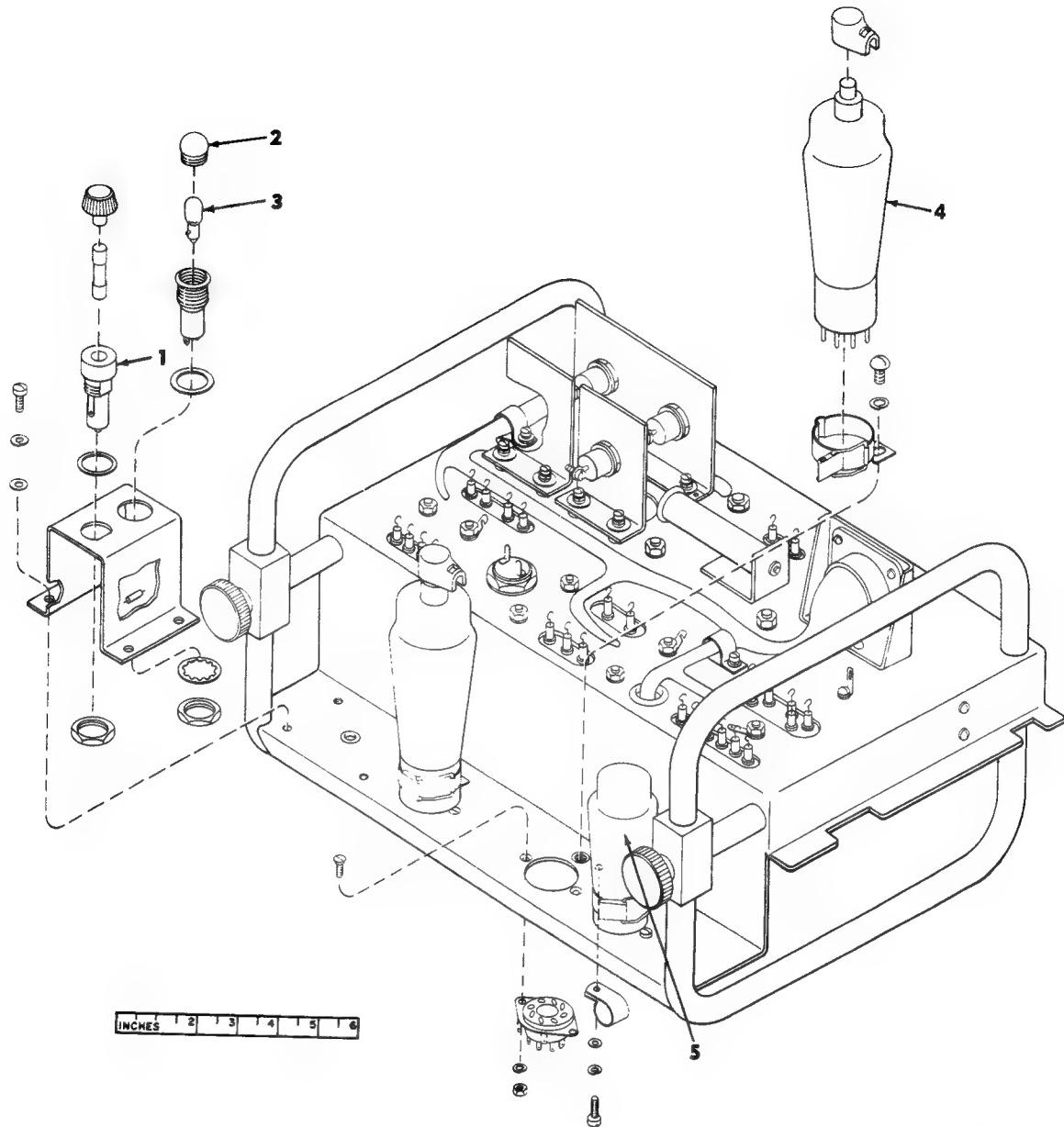
Figure 13. Regulator, voltage CN-281/M (7620552)—partial exploded view



ORD G259895

1 CONNECTOR 7598934

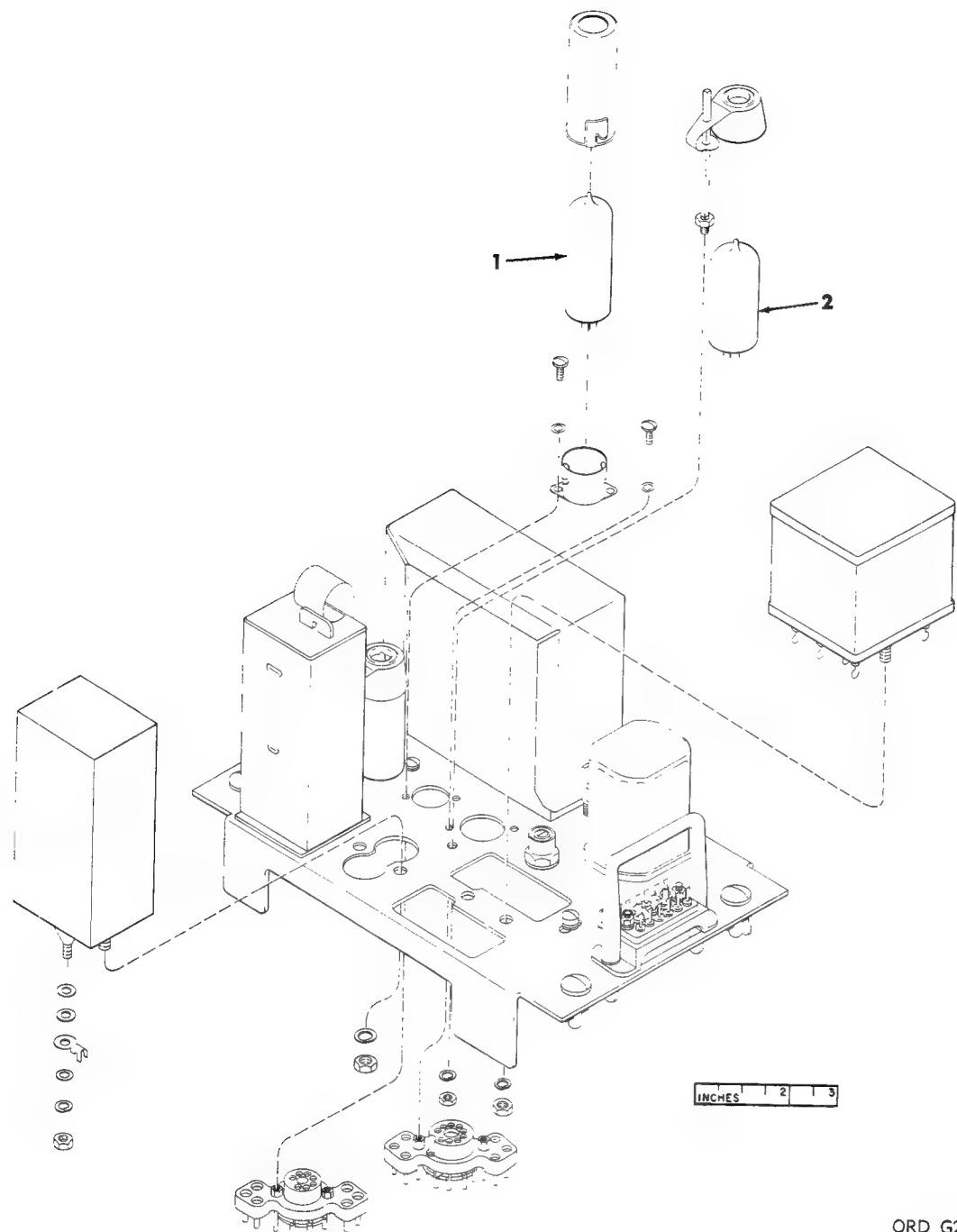
Figure 14. Regulator, voltage CN-281/M (7620552) - partial exploded view



ORD G284134

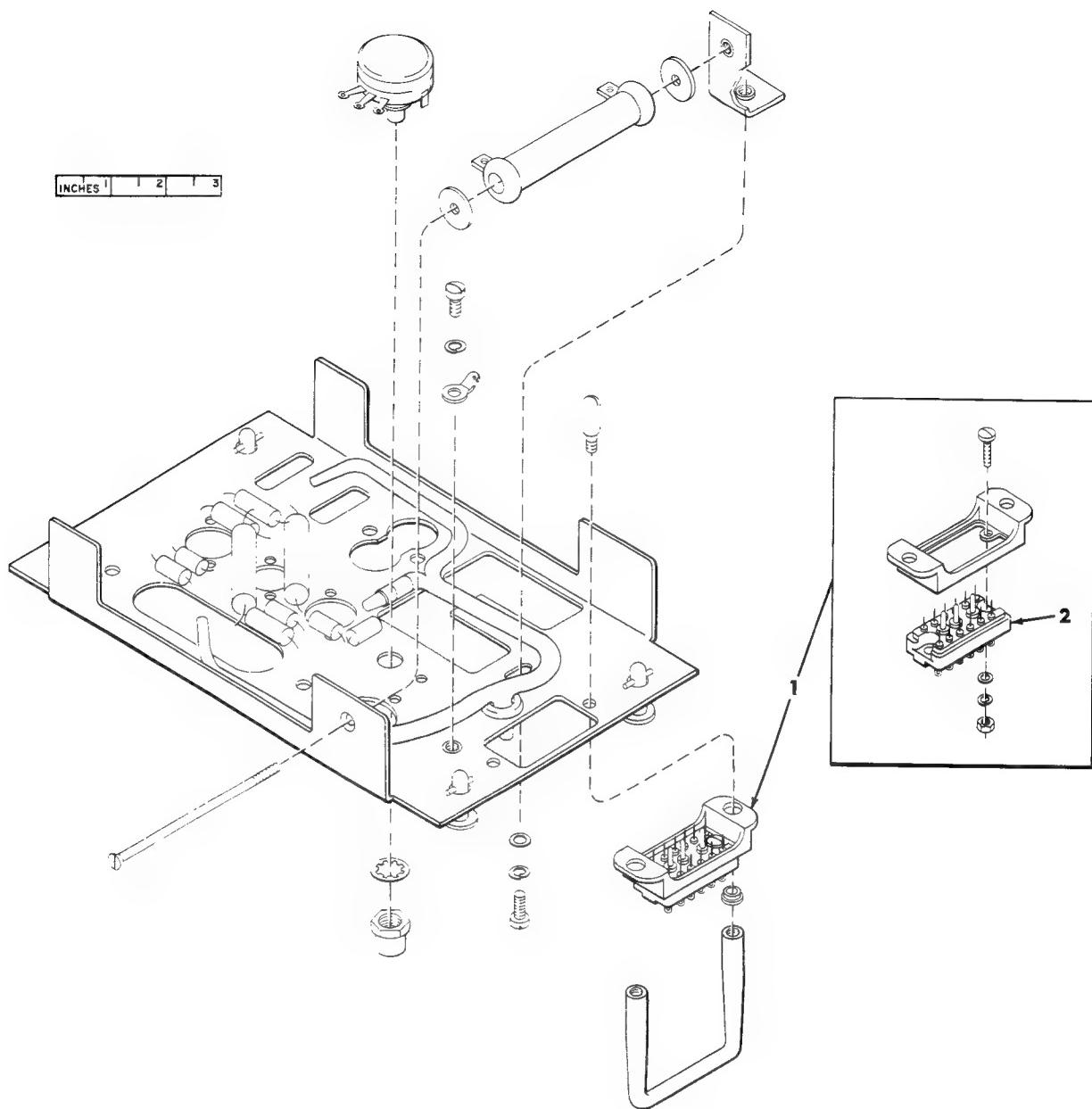
- | | | |
|---|---------------|---------------|
| 1 | FUSEHOLDER | 9144073 |
| 2 | LENS | 8328096 |
| 3 | LEAMP | MS-25231-1819 |
| 4 | ELECTRON TUBE | 6901 |
| 5 | ELECTRON TUBE | 0A3 |

Figure 15. Power supply PP-1161A/M (9986425)—partial exploded view



1 ELECTRON TUBE 0A2WA
2 ELECTRON TUBE 5687WA

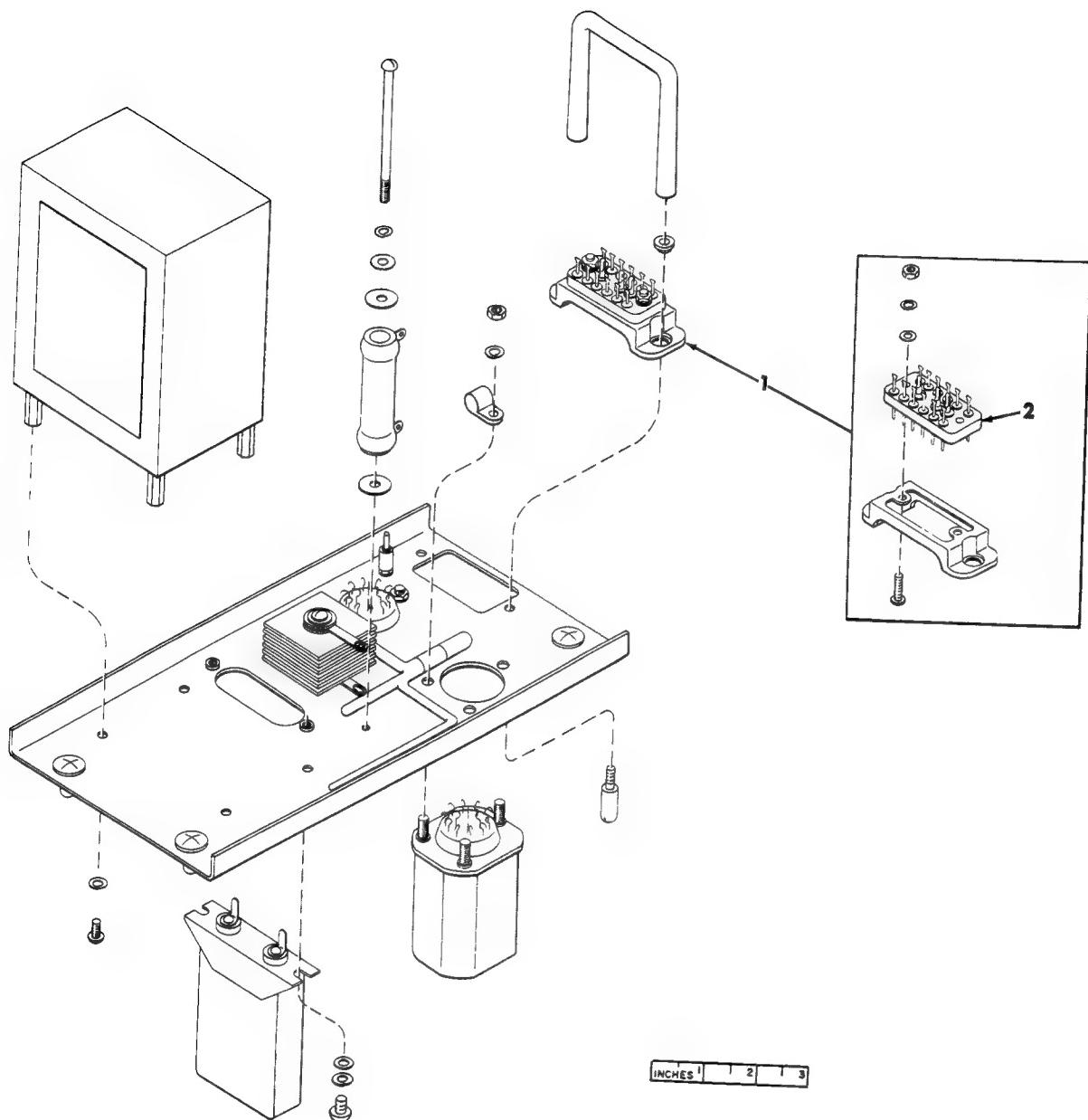
Figure 16. Timer, interval (7620519) - partial exploded view



ORD G259897

- 1 CONNECTOR 7598051
 2 CONNECTOR 7598934

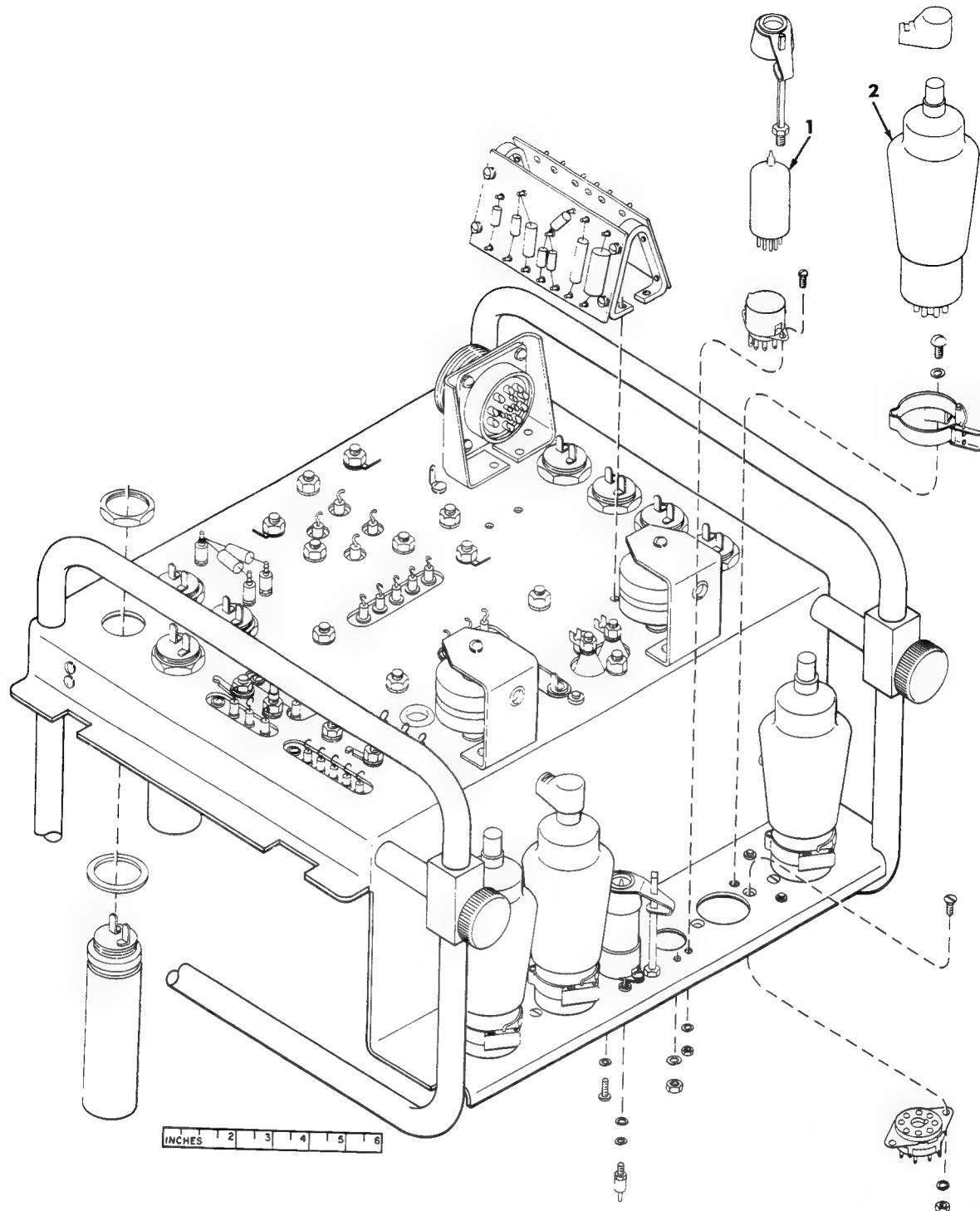
Figure 17. Timer, interval (7620519)—partial exploded view



ORD G284136

1 CONNECTOR 7598051
2 CONNECTOR 7598934

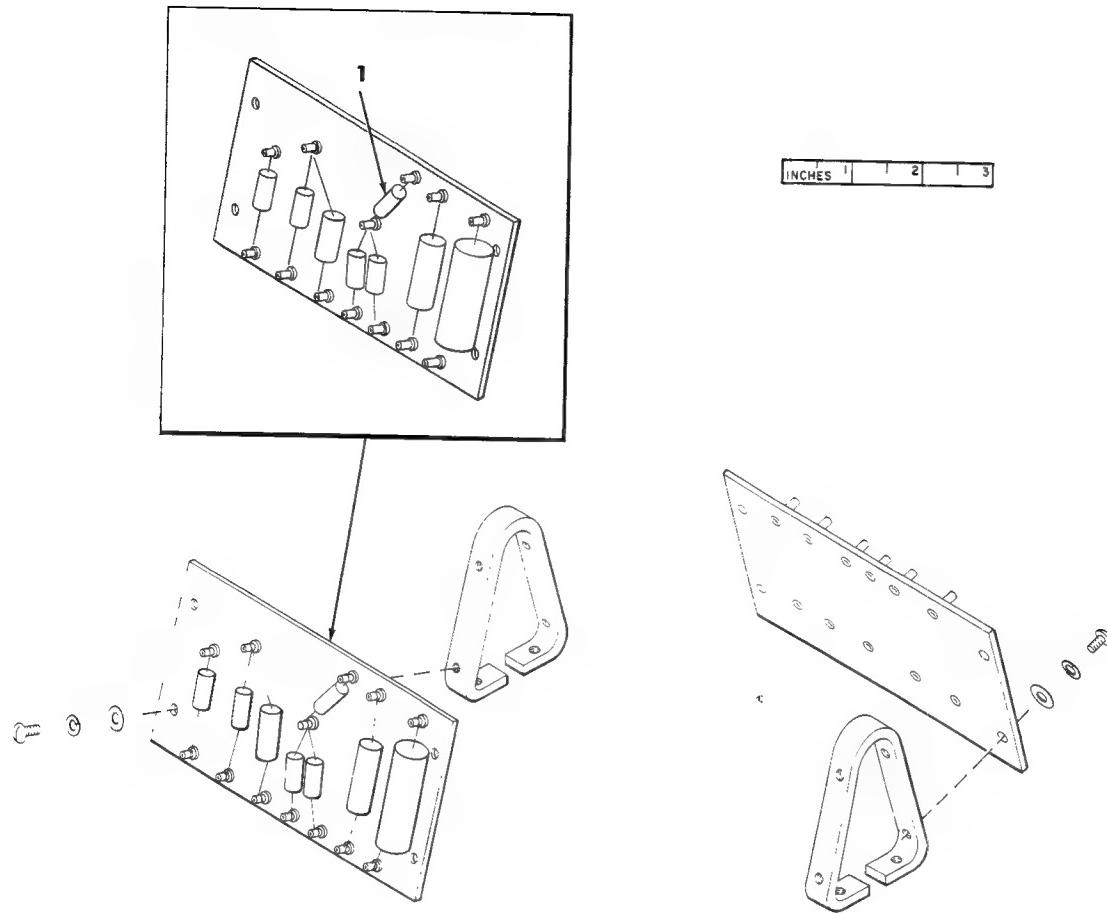
Figure 18. Timer, interval (9154656)—exploded view



ORD G284137

1 ELECTRON TUBE 5687WA
 2 ELECTRON TUBE 6901

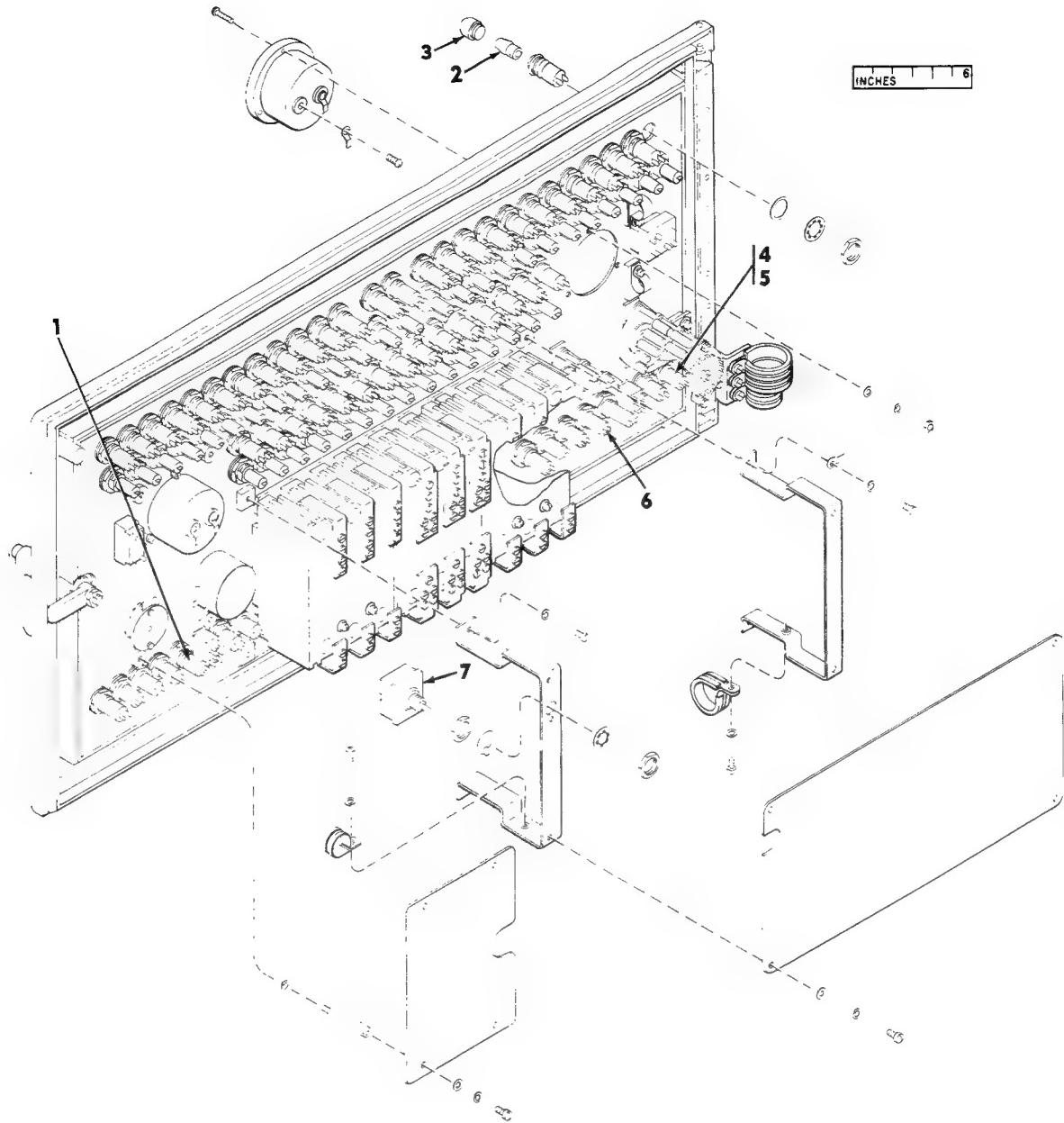
Figure 19. Power supply PP-1178/M (7621591)—exploded view



ORD G284138

1 SEMICONDUCTOR DEVICE
1N198

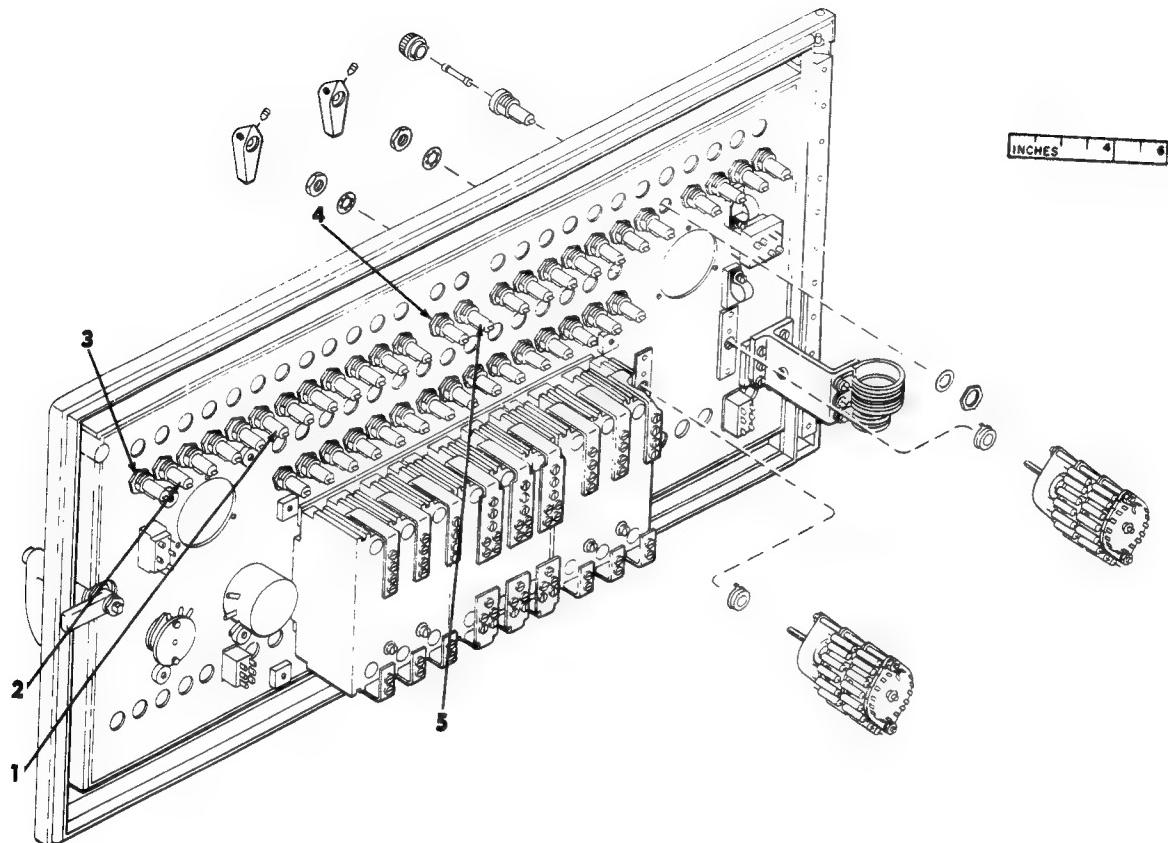
Figure 20. Resistor assembly (7614563)—exploded view



ORD G284139

- | | | |
|---|--------|---------------|
| 1 | LENS | 7600003 |
| 2 | LAMP | 7605718 |
| 3 | LENS | 8328096 |
| 4 | LENS | 7600002 |
| 5 | LAMP | MS-25231-1819 |
| 6 | LENS | 8175032 |
| 7 | SWITCH | 7599795 |

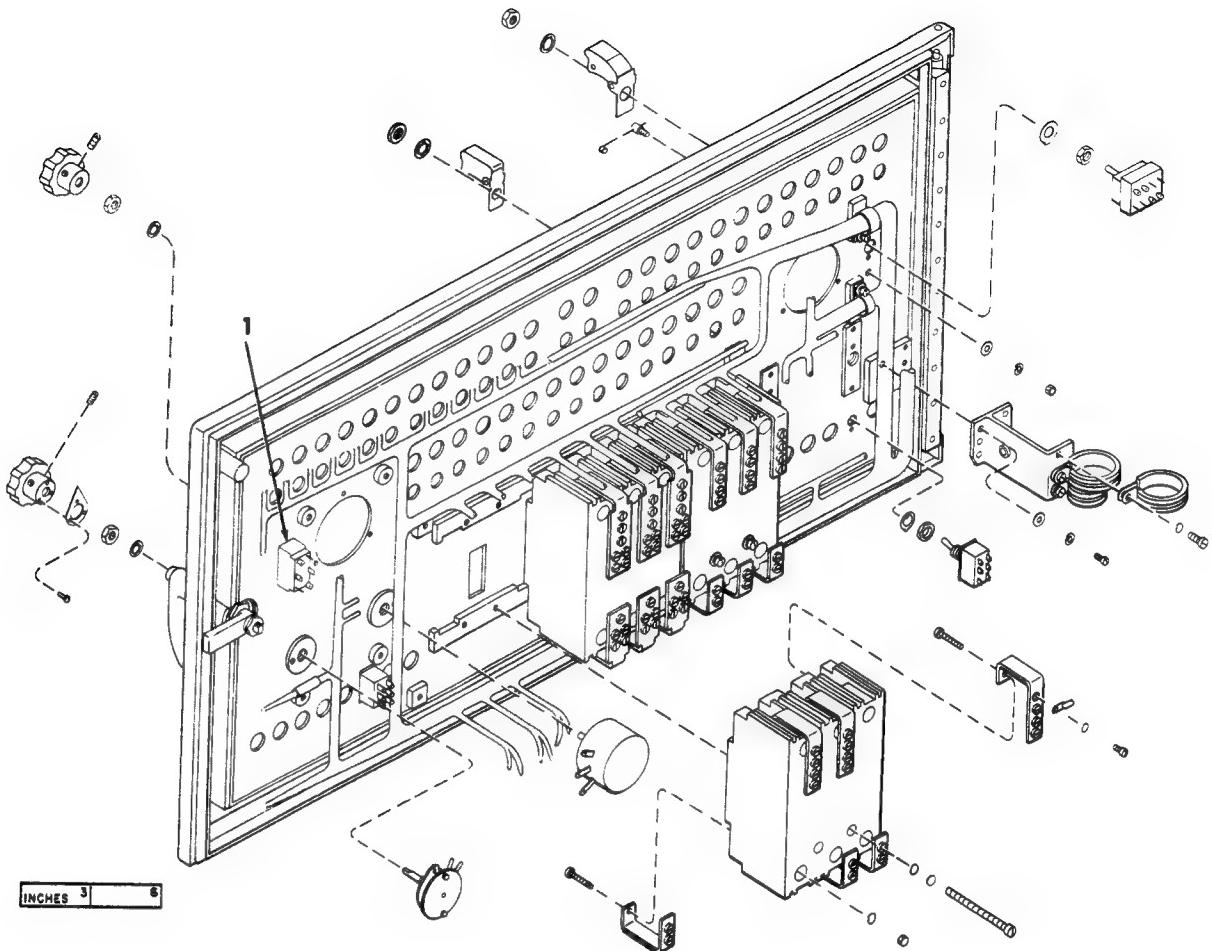
Figure 21. Control indicator (9150879) - partial exploded view



ORD G284140

- 1 FUSEHOLDER 9144073
- 2 FUSE 9150659
- 3 FUSE 8034518-5
- 4 FUSE F02A250V6A
- 5 FUSE MS-90079-27

Figure 22. Control indicator (9150879)—partial exploded view



ORD G284141

1 SWITCH MS-35059-26

Figure 23. Control indicator (9150879)—partial exploded view

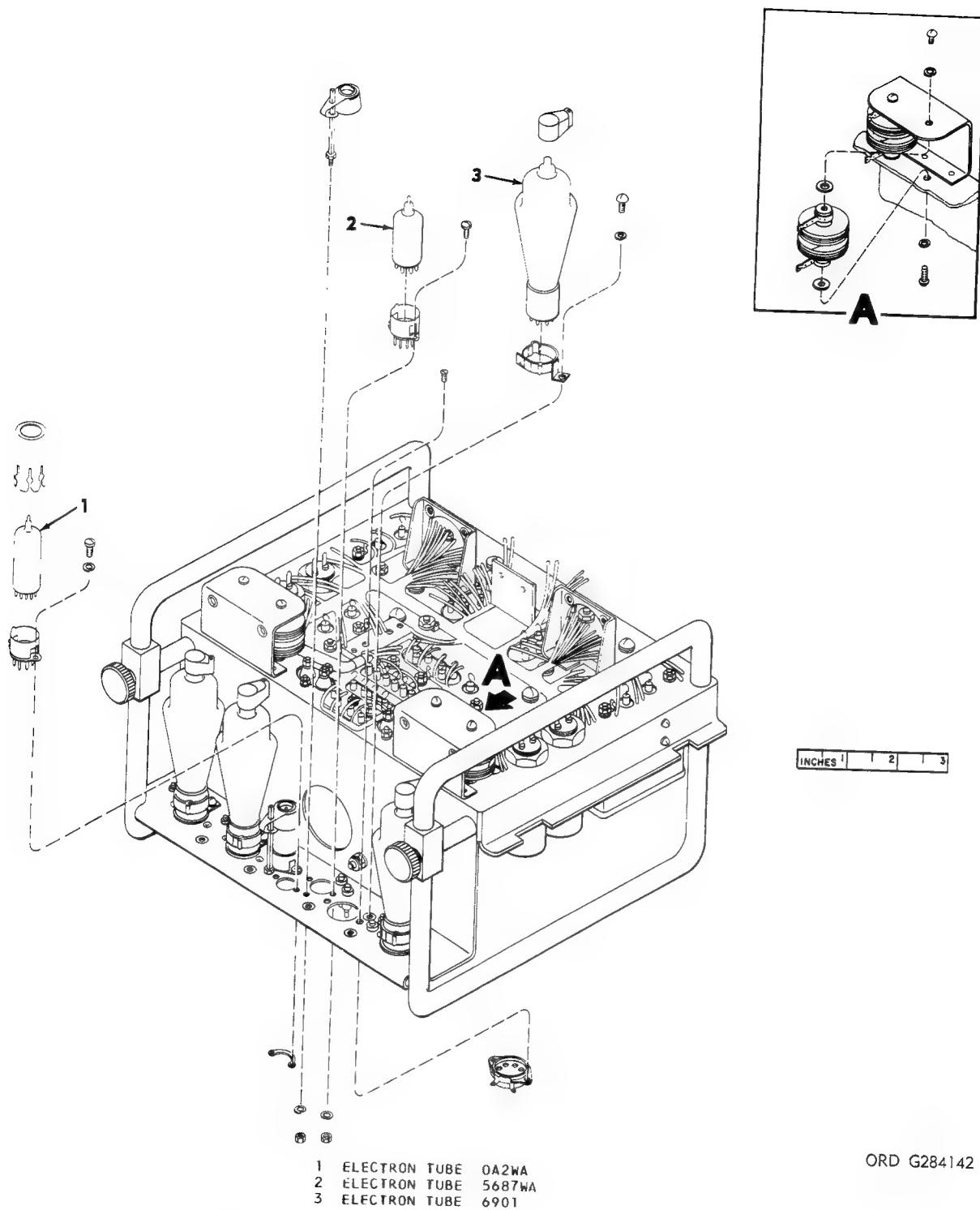
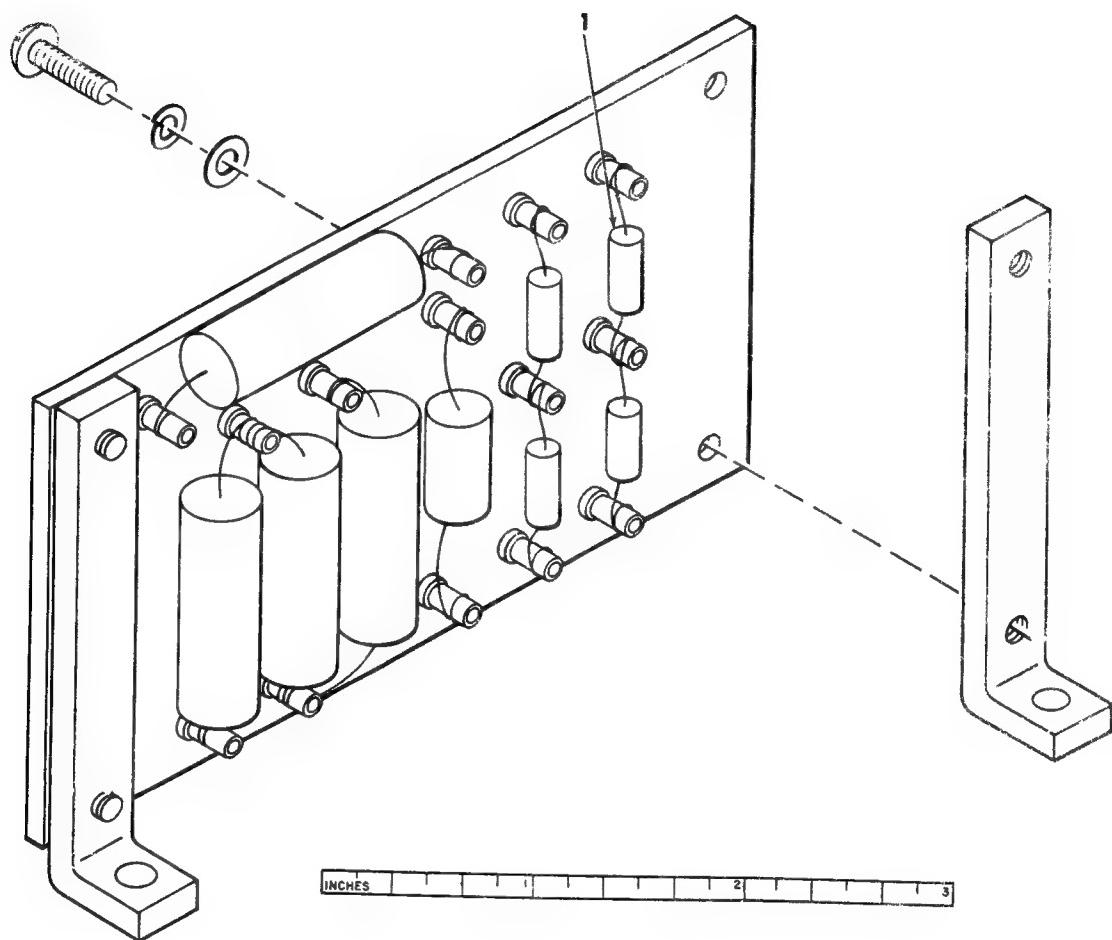


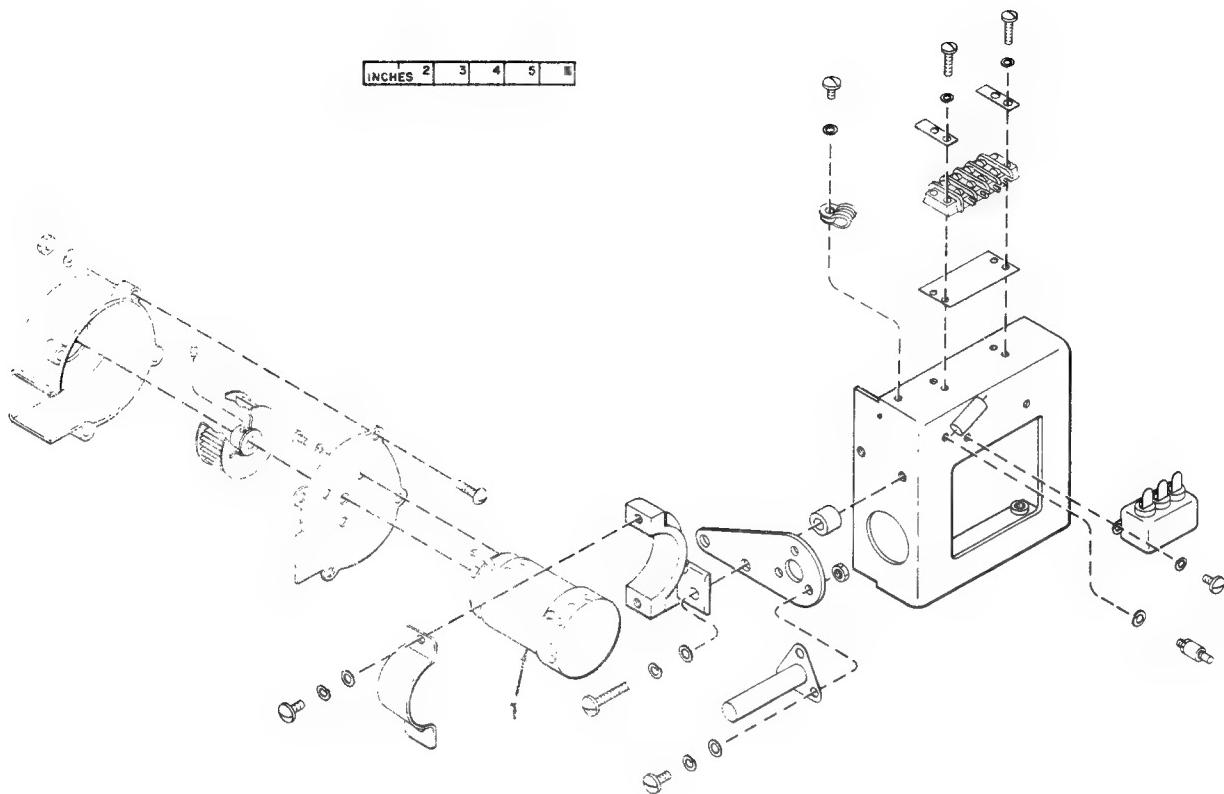
Figure 24. Power supply PP-1160B/M (9140697)—exploded view



ORD G284143

1 SEMICONDUCTOR DEVICE
9007519

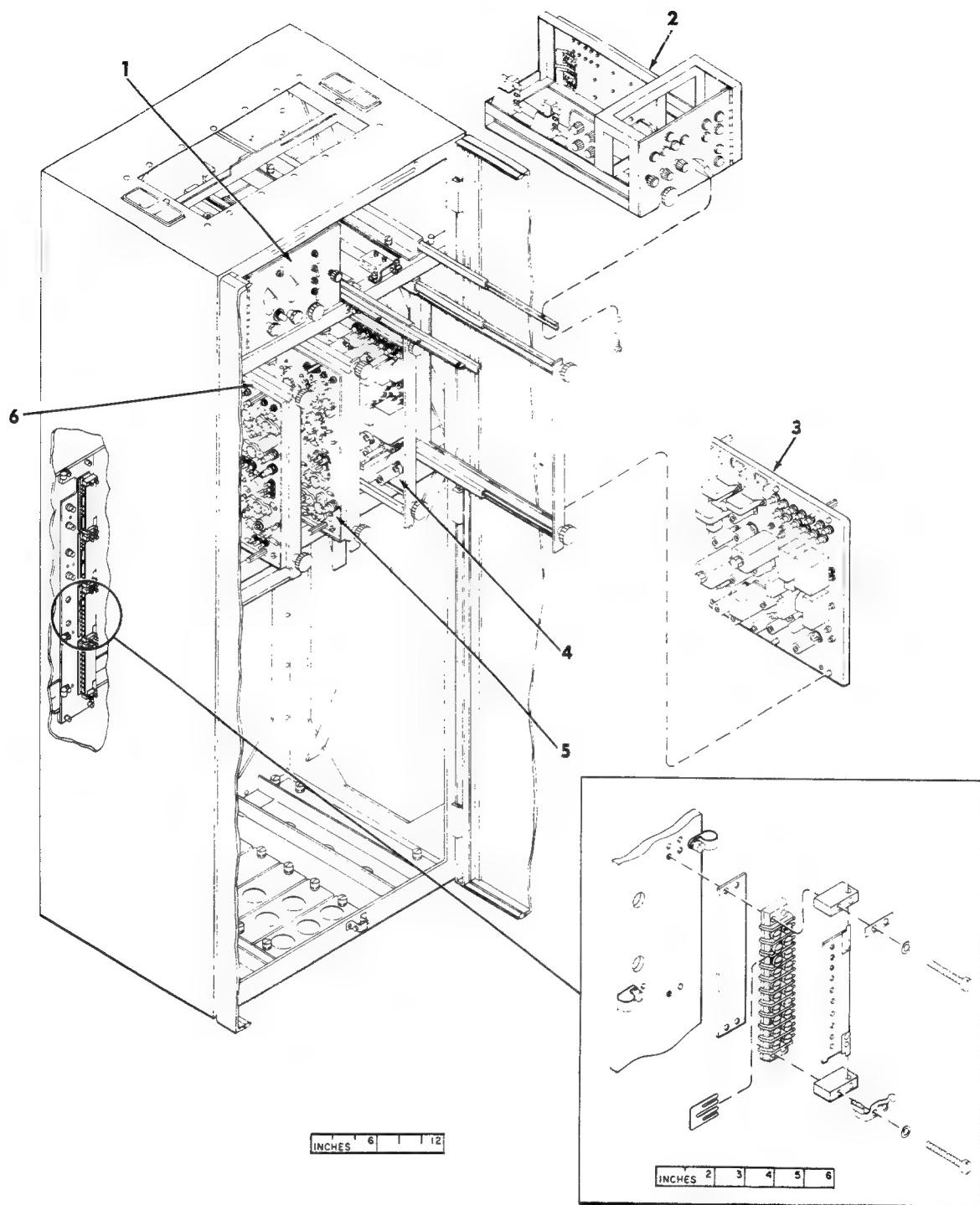
Figure 25. Resistor assembly (9005513)—exploded view



ORD G263371

1 MOTOR 7599786

Figure 26. Blower (9140816) - exploded view



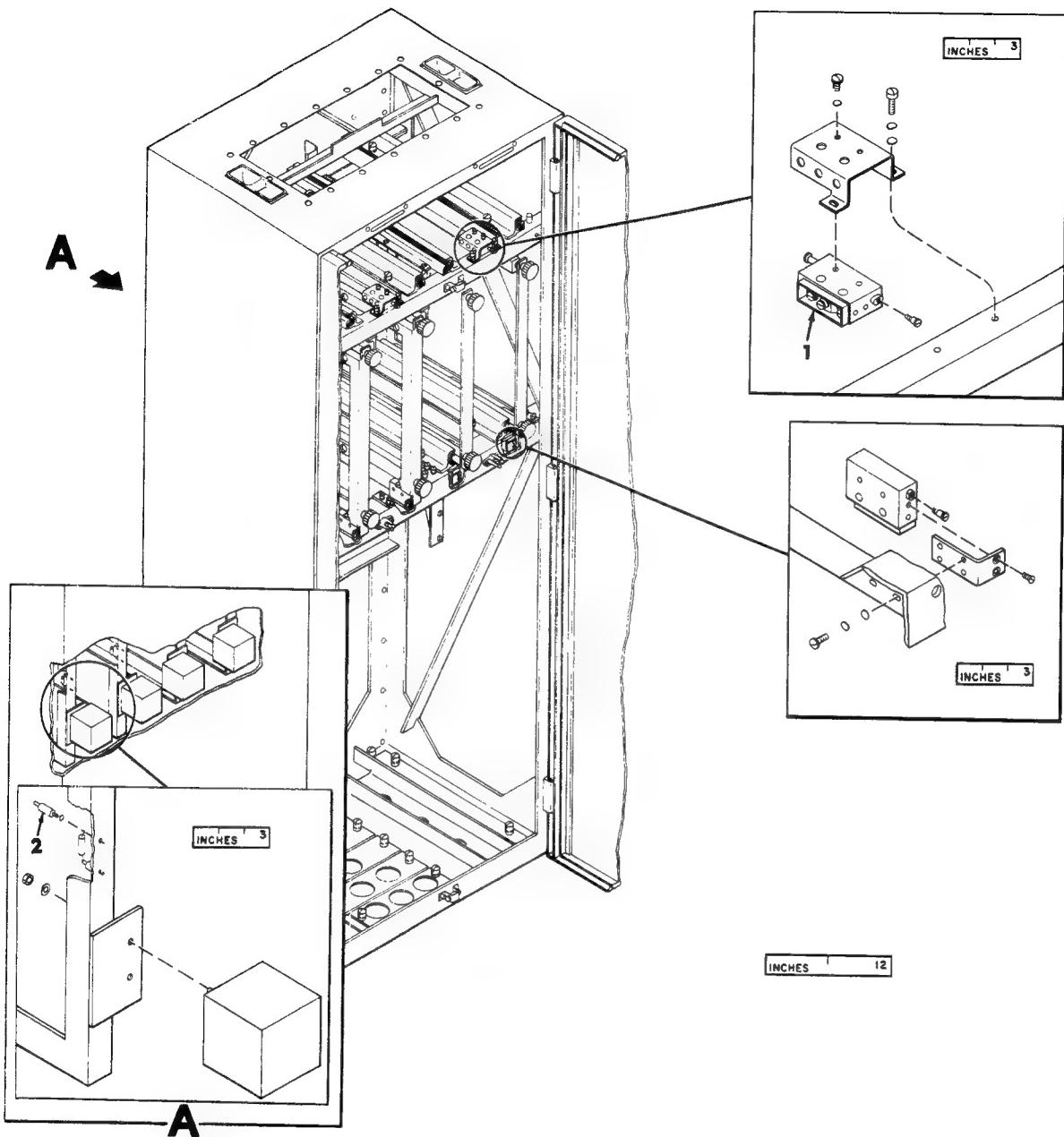
ORD G263372

1 PANEL 8159350
2 CONTROL-INDICATOR 9140083

3 SYNCHRONIZER 9983715
4 CODER 8159347

5 CODER 8159349
6 GENERATOR 8159246

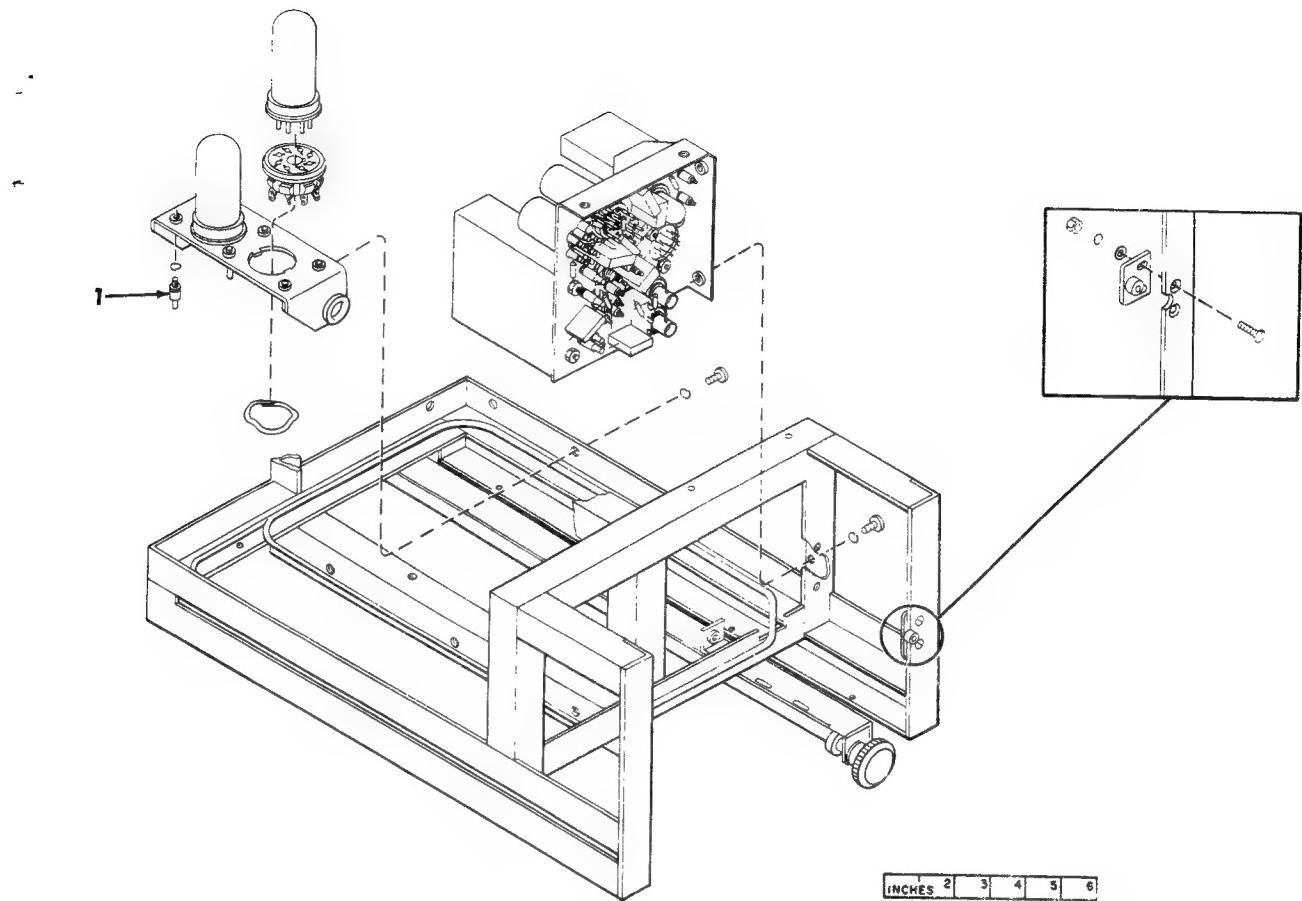
Figure 27. Coder set, radar KY-229/MPA (8512239) - partial exploded view



ORD G284144

1 SWITCH 7602749
2 TERMINAL 7598949

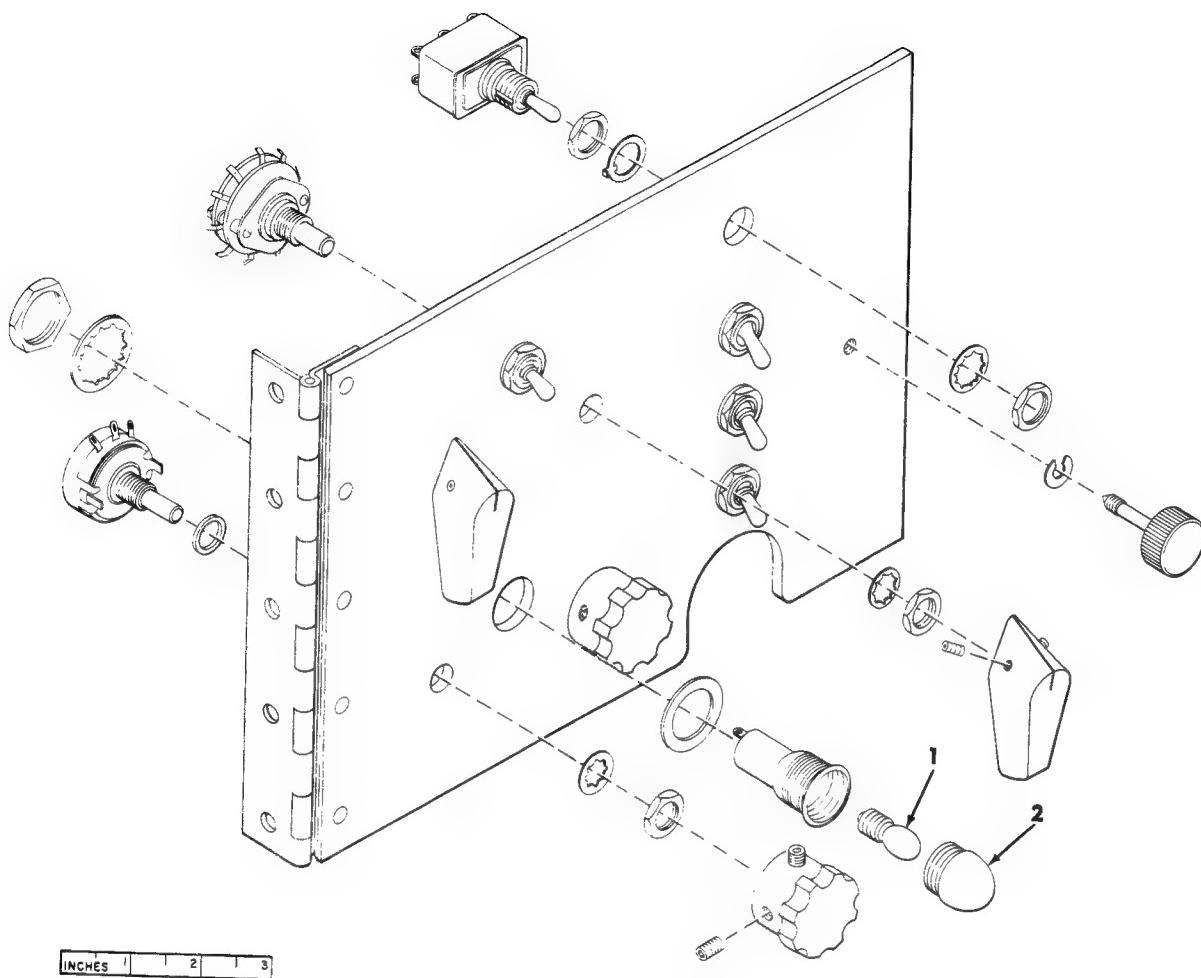
Figure 28. Coder set, radar KY-229/MPA (8512239) – partial exploded view



ORD G259905

1 TERMINAL 7598949

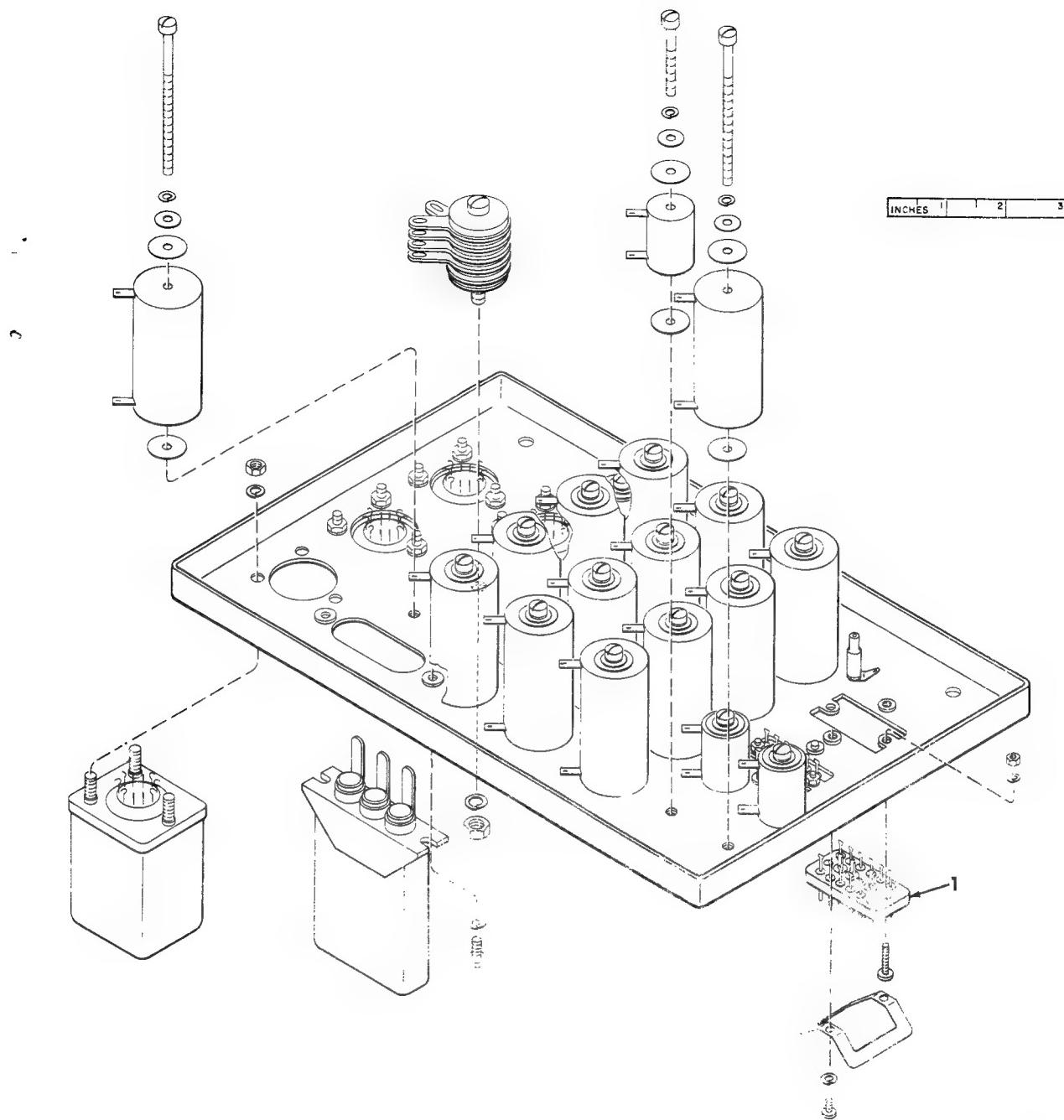
Figure 29. Panel, test, electrical (8159350)—exploded view



ORD G284145

1 LAMP 7605718
2 LENS 8168973

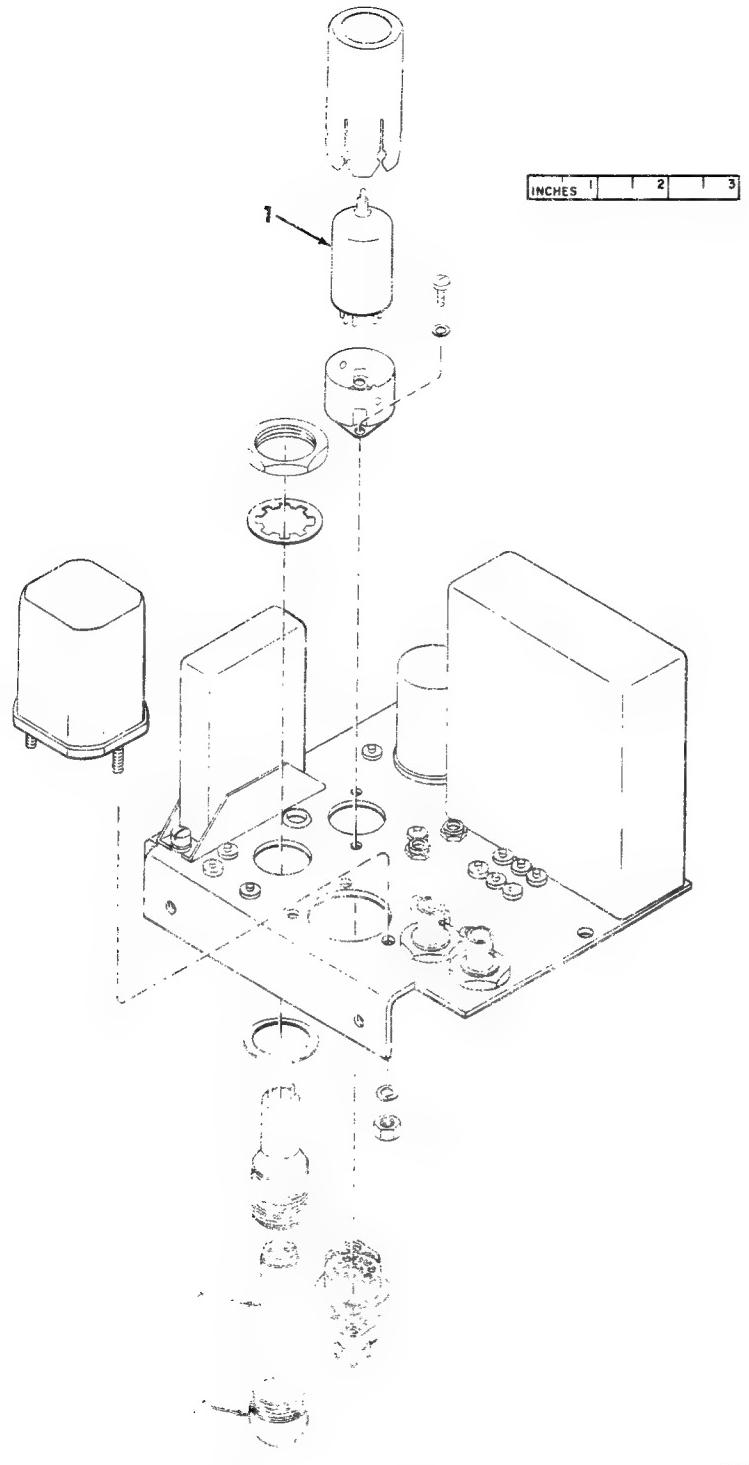
Figure 30. Panel assembly (9005531)—exploded view



ORD G259906

1 CONNECTOR 7598934

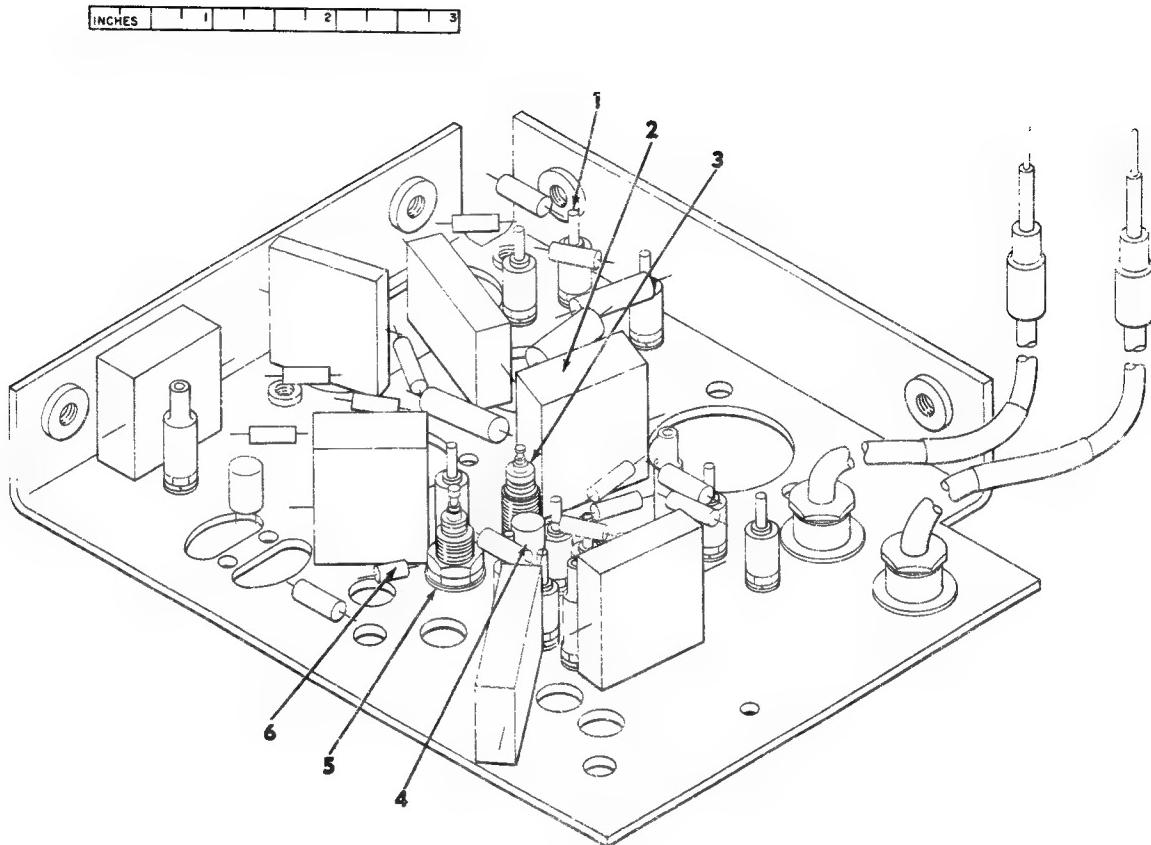
Figure 31. Relay-resistor assembly (9005389)—exploded view



1 ELECR. SOLN. ASY.

ORD G28-146

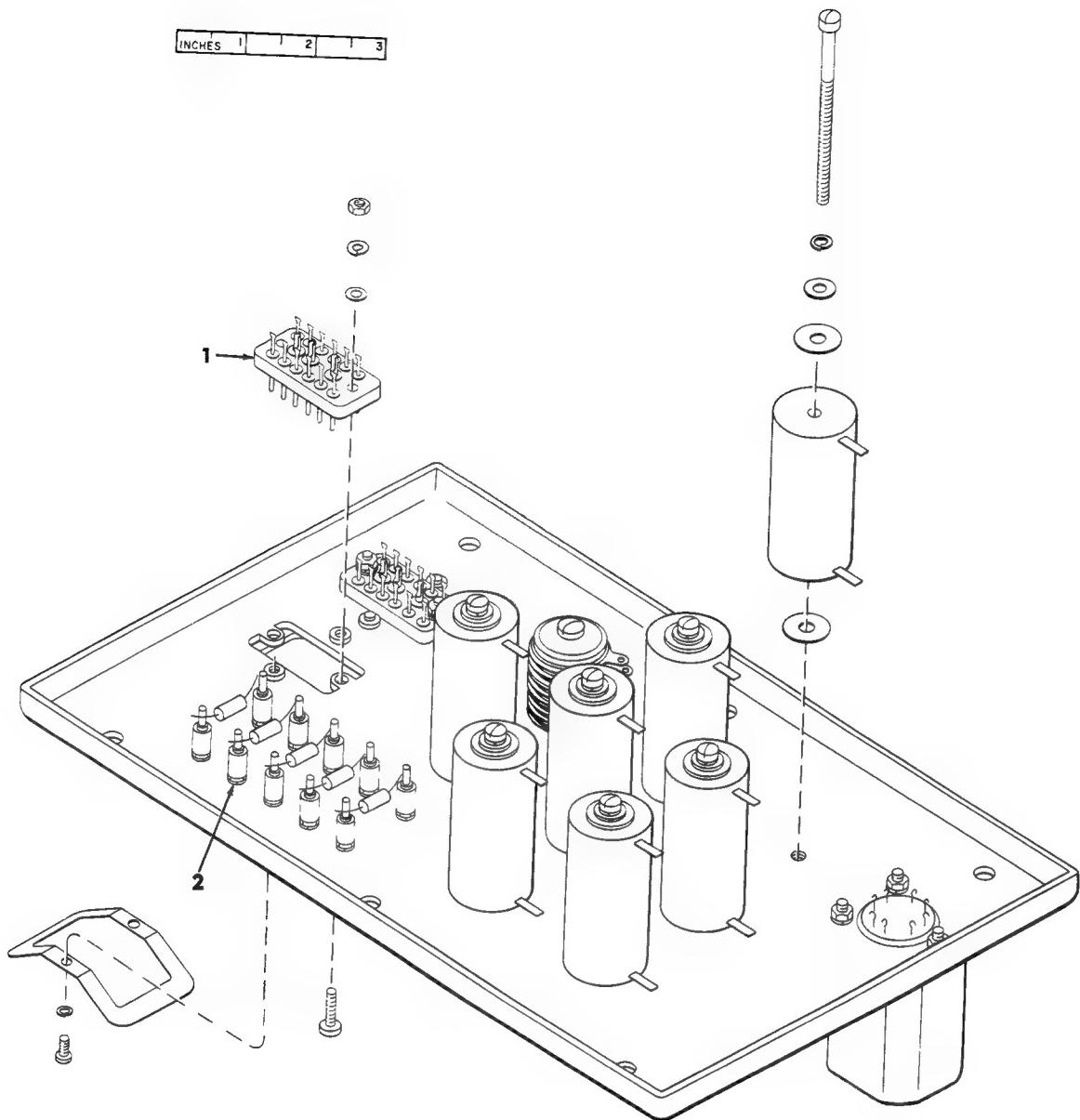
Figure 12 - Exploded view of part of a valve.



ORD G284147

- | | |
|------------------------|---------------------------------|
| 1 TERMINAL 7598949 | 5 JACK 8134425 |
| 2 CAPACITOR CM35E103J | 6 SEMICONDUCTOR DEVICE
1M196 |
| 3 JACK 8175016 | |
| 4 CRYSTAL UNIT 8515007 | |

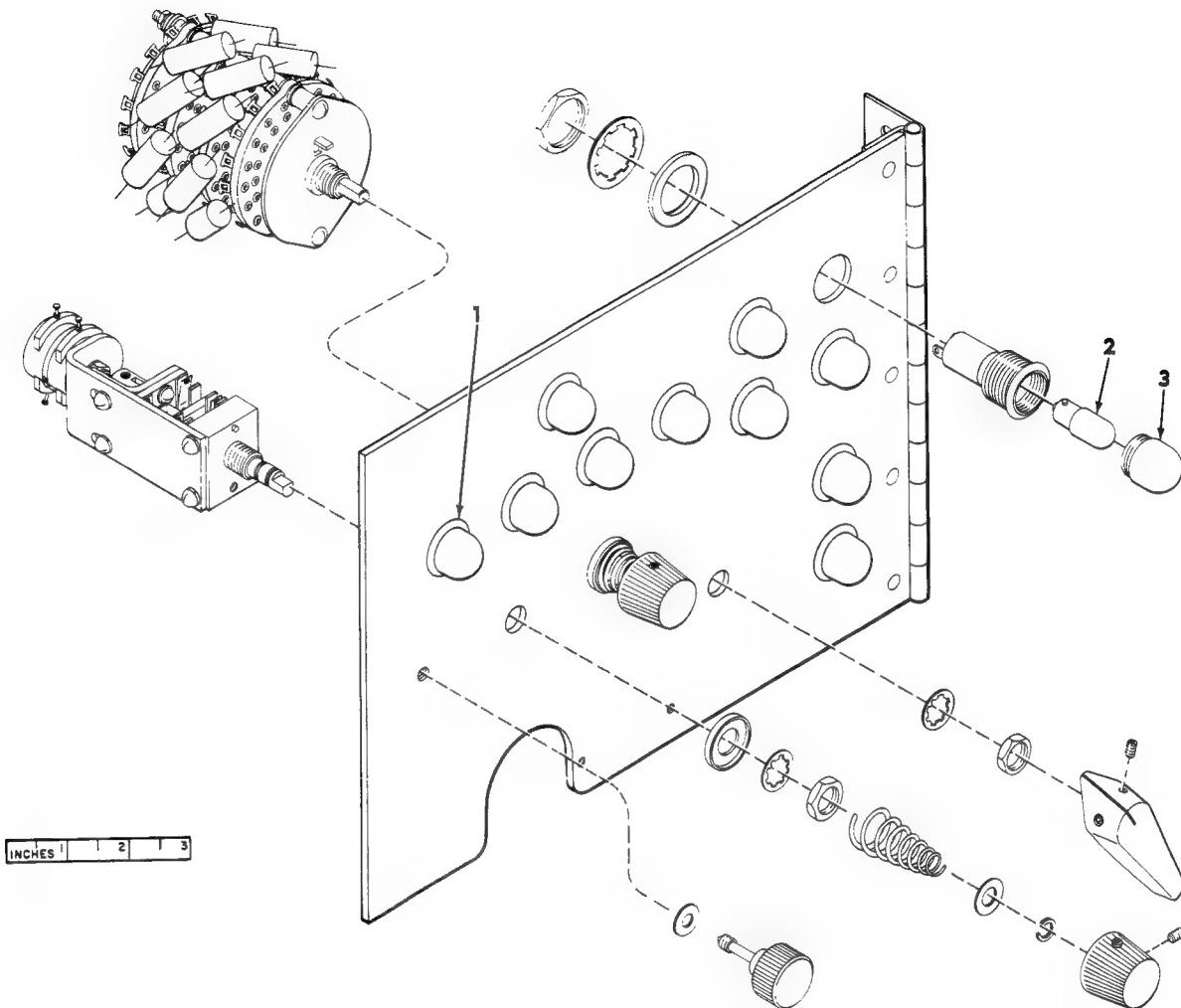
Figure 33. Panel assembly (Ref. 5990)—partial exploded view



ORD G284148

1 CONNECTOR 7598934
2 TERMINAL 7598949

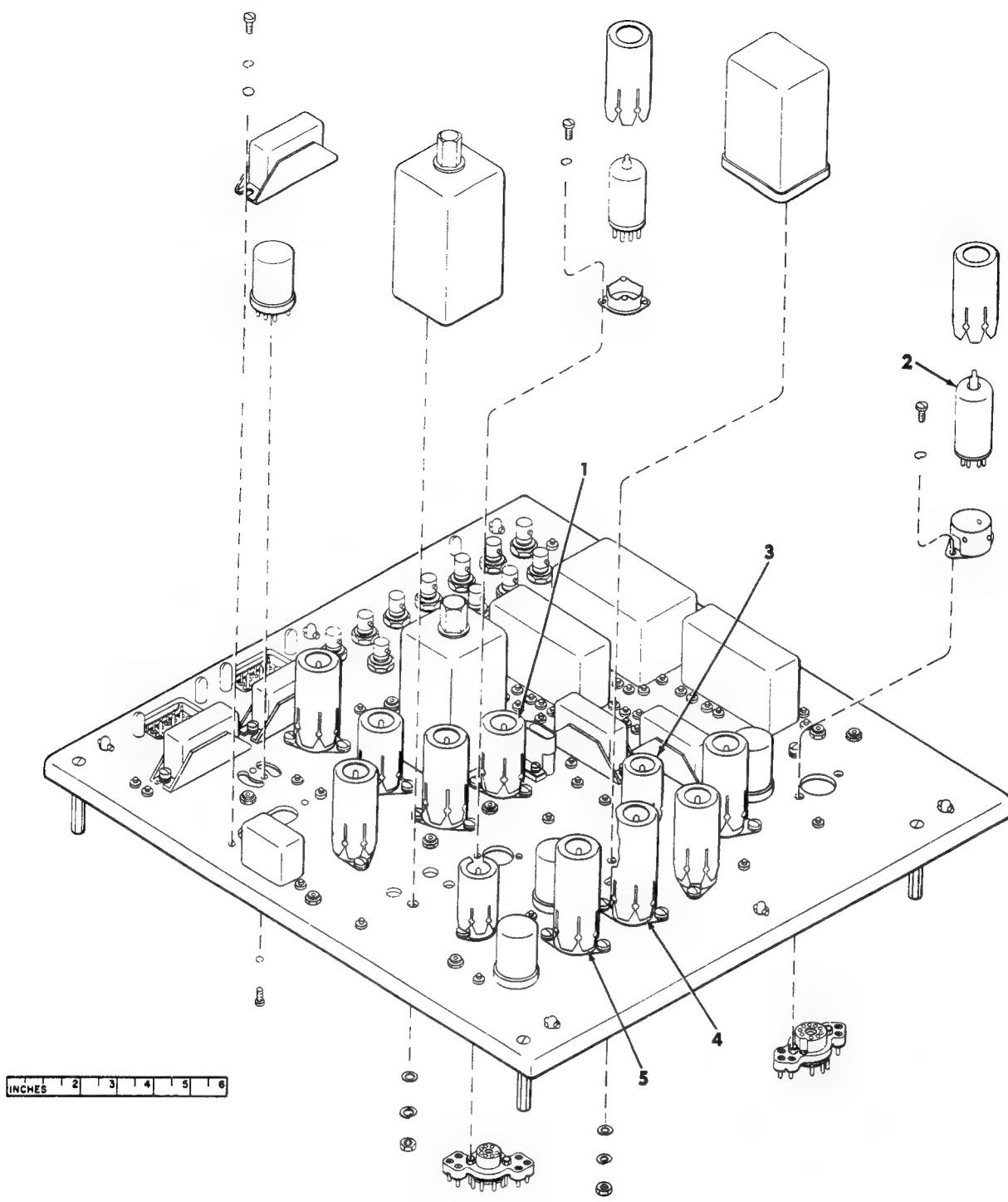
Figure 34. Relay-resistor assembly (8513129)—exploded view



ORD G284149

1	LENS	8515659
2	LAMP	7605718
3	LENS	816H973

Figure 35. Panel, indicator (8513128)—exploded view

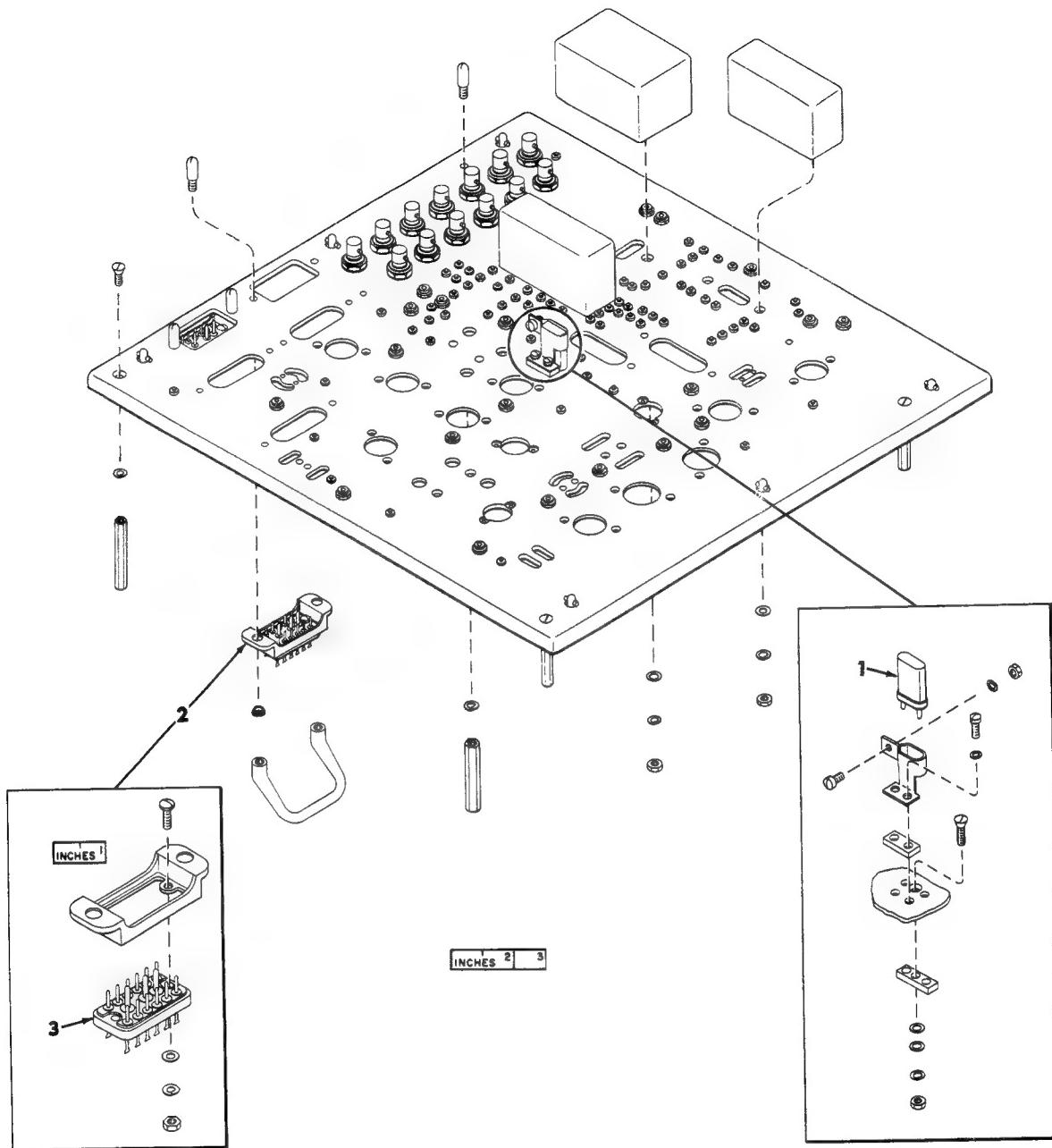


1 ELECTRON TUBE 5670
 2 ELECTRON TUBE 5687WA
 3 ELECTRON TUBE 5726/6AL5W

4 ELECTRON TUBE 8515660
 5 ELECTRON TUBE 5763

ORD G284150

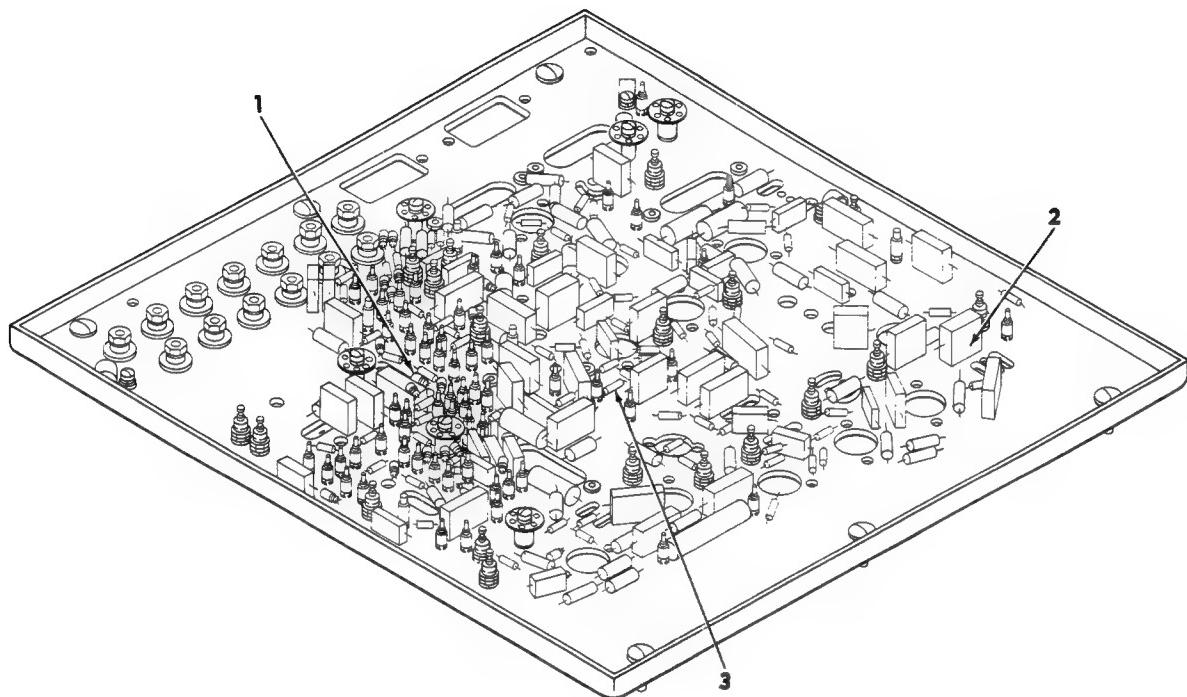
Figure 36. Synchronizer, electrical (9983715)—partial exploded view



ORD G259912

- 1 CRYSTAL UNIT 8217150
- 2 CONNECTOR 7598051
- 3 CONNECTOR 7598934

Figure 37. Synchronizer, electrical (9983715)—partial exploded view

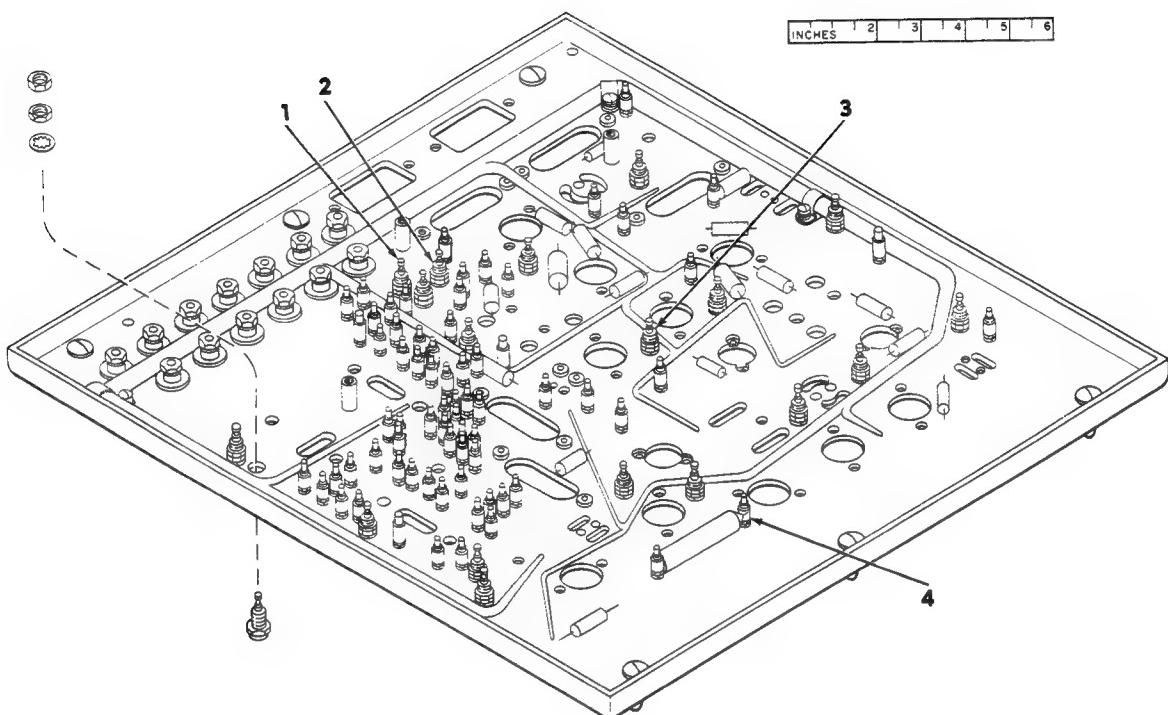


INCHES | 1 | 2 | 3 | 4 | 5 | 6

ORD G284151

1 CRYSTAL UNIT 8515007
2 CAPACITOR CM35E103J
3 SEMICONDUCTOR DEVICE
1N198

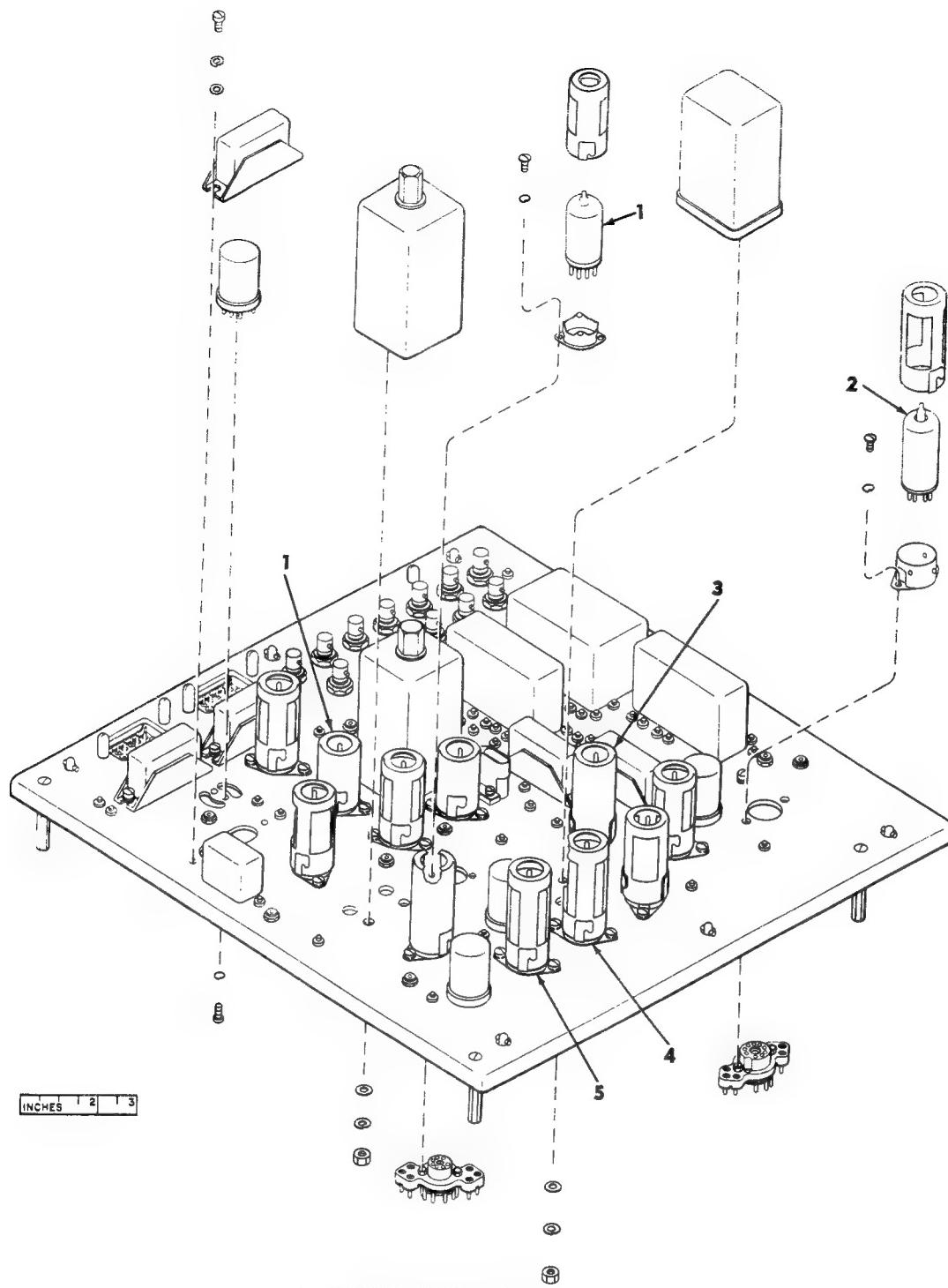
Figure 38. Synchronizer, electrical (9983715)—partial exploded view



ORD G284152

- | | | |
|---|----------|---------|
| 1 | JACK | 8134425 |
| 2 | JACK | 8175017 |
| 3 | JACK | 8175016 |
| 4 | TERMINAL | 7598949 |

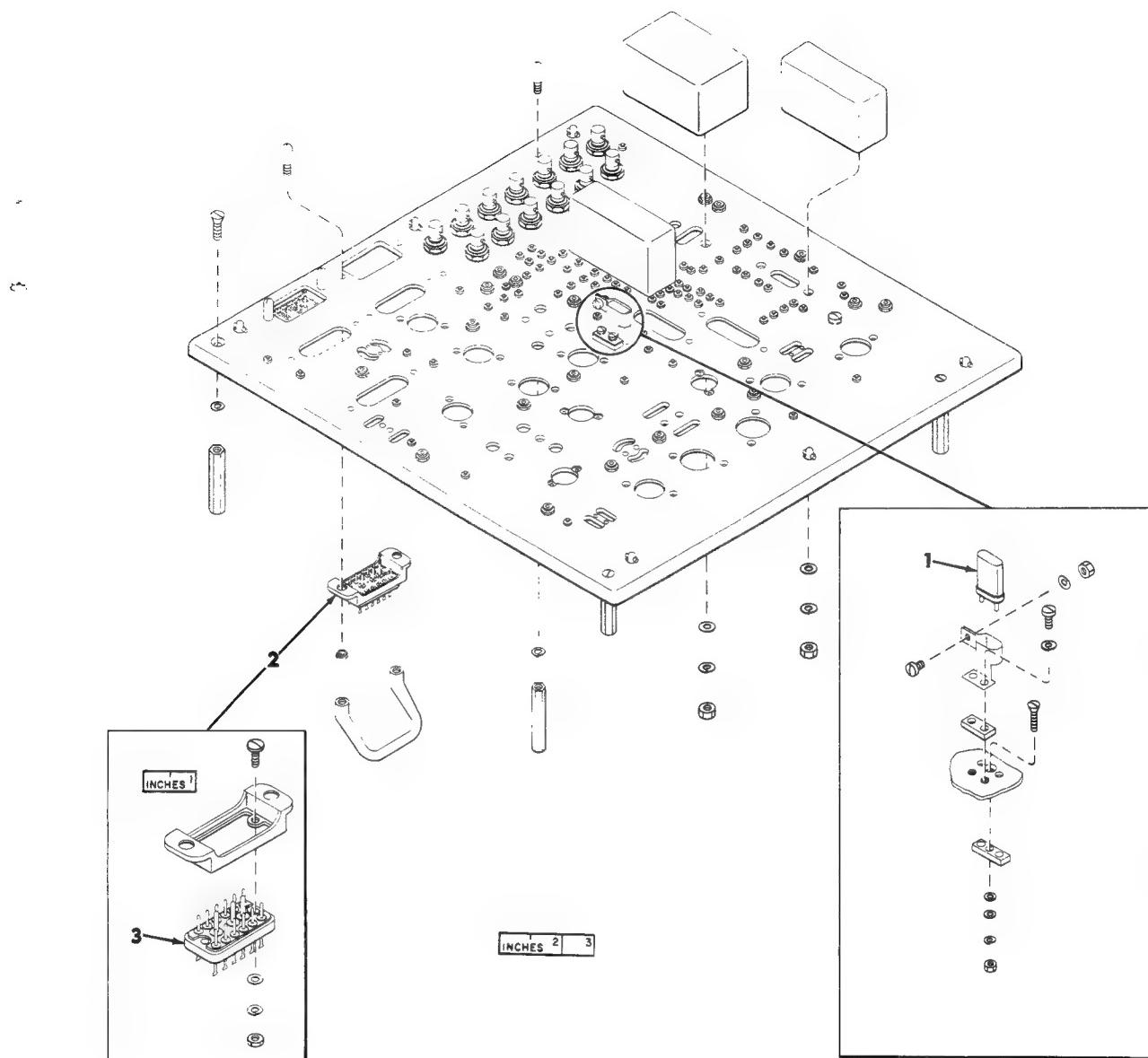
Figure 39. Synchronizer, electrical (9983715)—partial exploded view



- 1 ELECTRON TUBE 5670
- 2 ELECTRON TUBE 5687WA
- 3 ELECTRON TUBE 5726/6AL5W
- 4 ELECTRON TUBE 8515660
- 5 ELECTRON TUBE 5763

ORD G284153

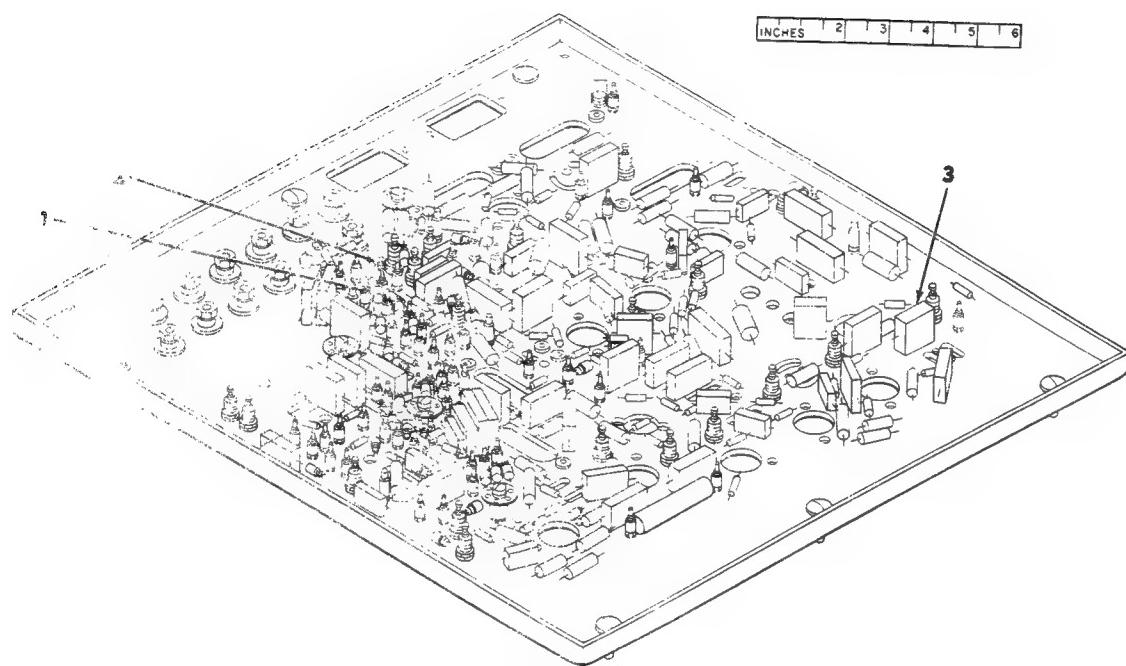
Figure 40. Synchronizer, electrical (9983937)—partial exploded view



ORD G259916

- 1 CRYSTAL UNIT 8217150
- 2 CONNECTOR 7598051
- 3 CONNECTOR 7598934

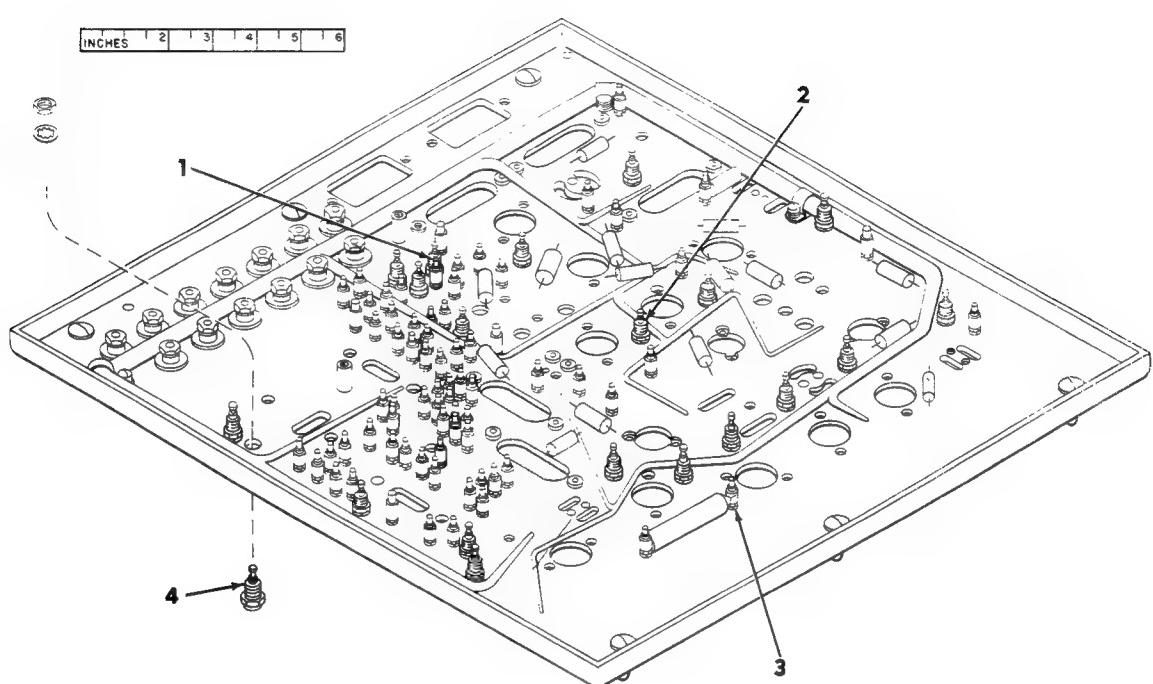
Figure 41. Synchronizer, electrical (9983937) – partial exploded view



ORD G284154

- 1 CRYSTAL UNIT 8515007
- 2 SEMICONDUCTOR DEVICE
IN19c
- 3 CAPACITOR CM35E103J

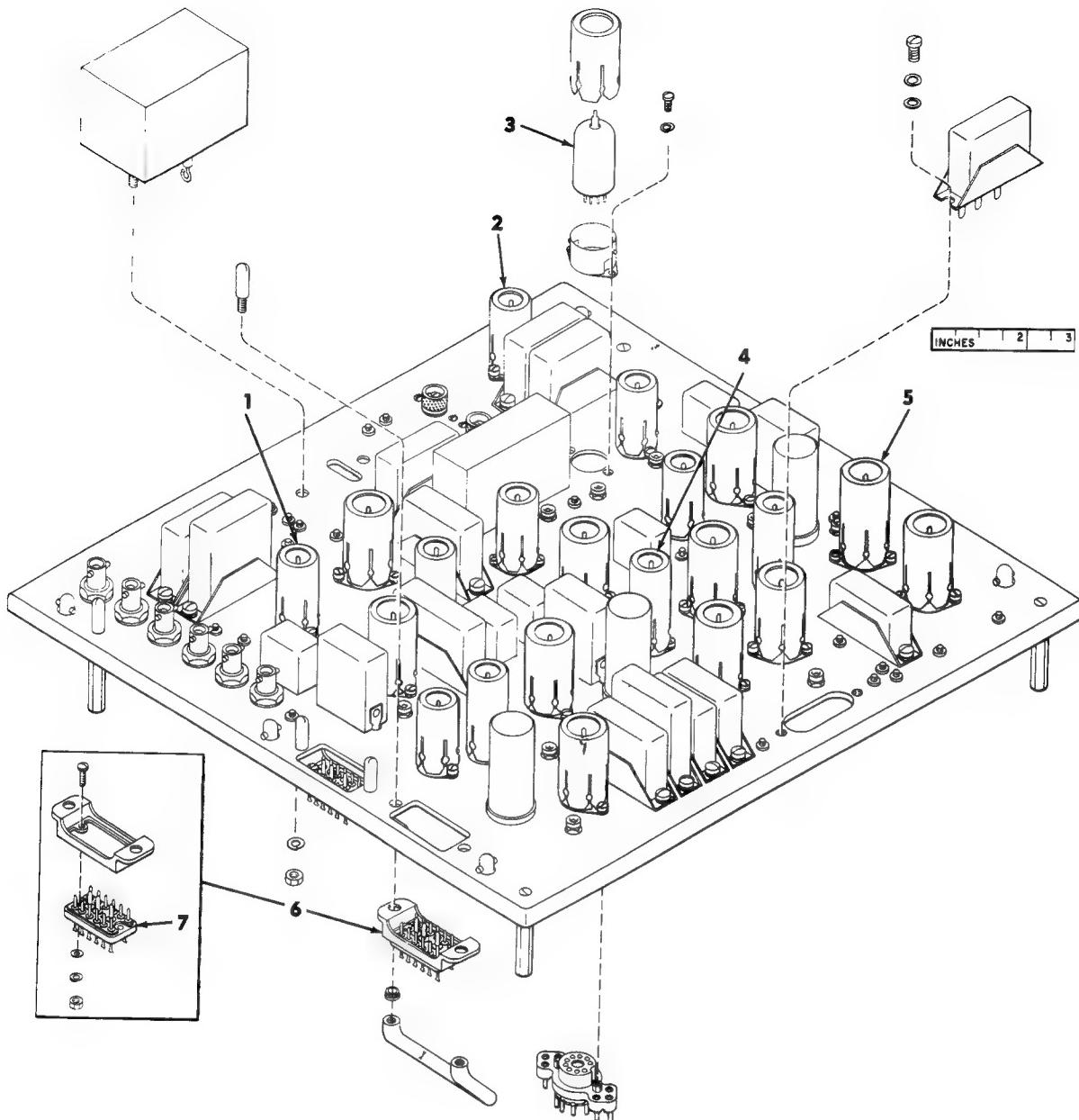
Figure 42. Synchronizer, electrical (9983937) - partial exploded view



ORD G284155

- 1 JACK 8175017
- 2 JACK 8175016
- 3 TERMINAL 7598949
- 4 JACK 8134425

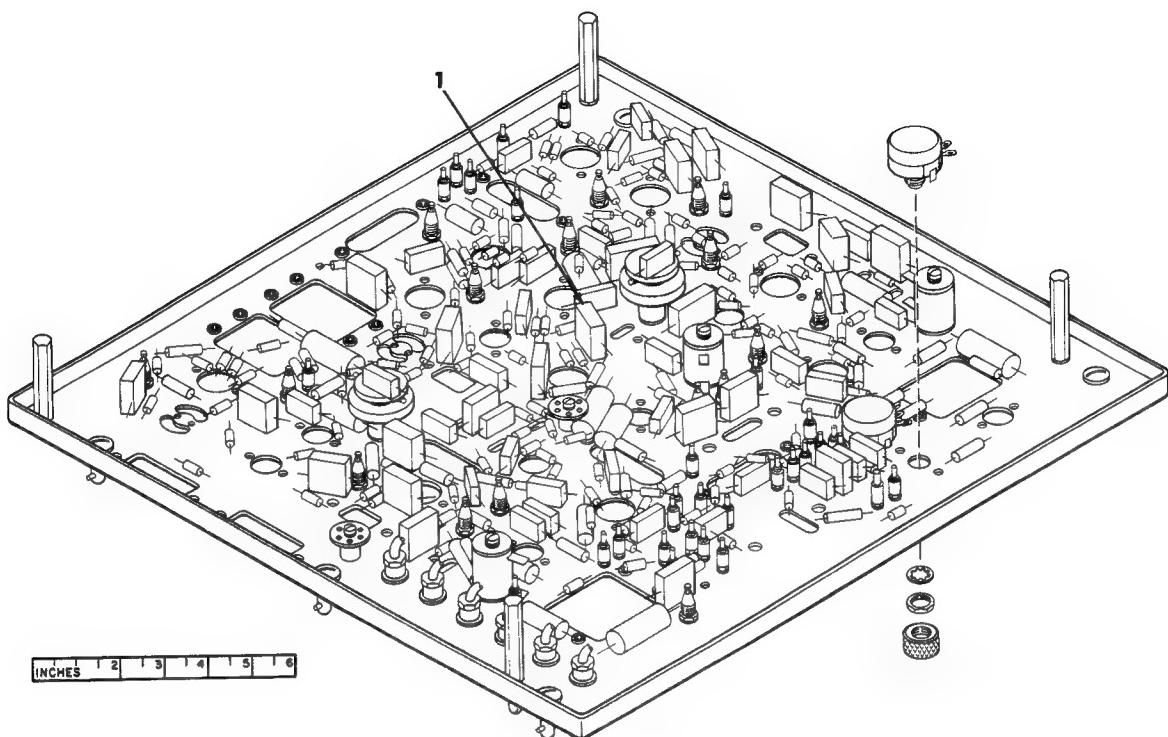
Figure 43. Synchronizer, electrical (9983937)—partial exploded view



ORD G284156

- | | |
|----------------------------|------------------------|
| 1 ELECTRON TUBE 5725/6AS6W | 5 ELECTRON TUBE 5687WA |
| 2 ELECTRON TUBE 5726/6AL5W | 6 CONNECTOR 7598051 |
| 3 ELECTRON TUBE 5670 | 7 CONNECTOR 7598934 |
| 4 ELECTRON TUBE 6AH6 | |

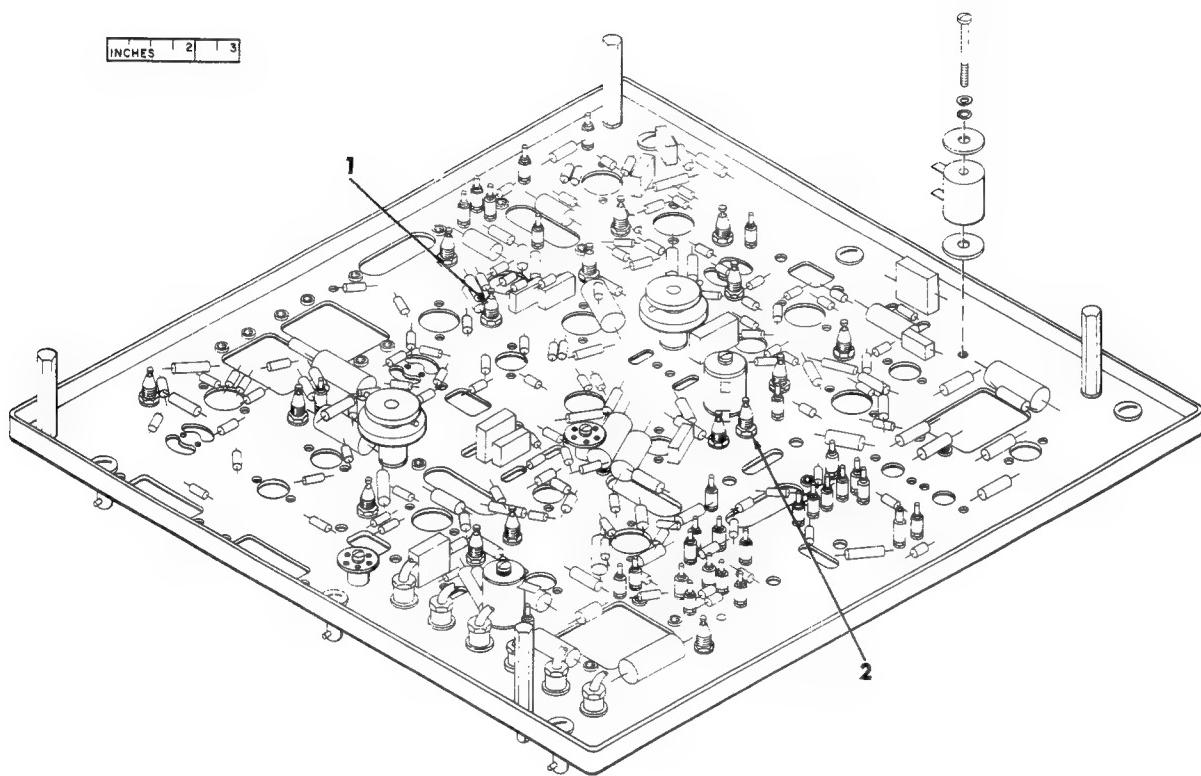
Figure 44. Coder, radar, guided missile (8159347) - partial exploded view



ORD G284157

1 CAPACITOR CM35E103J

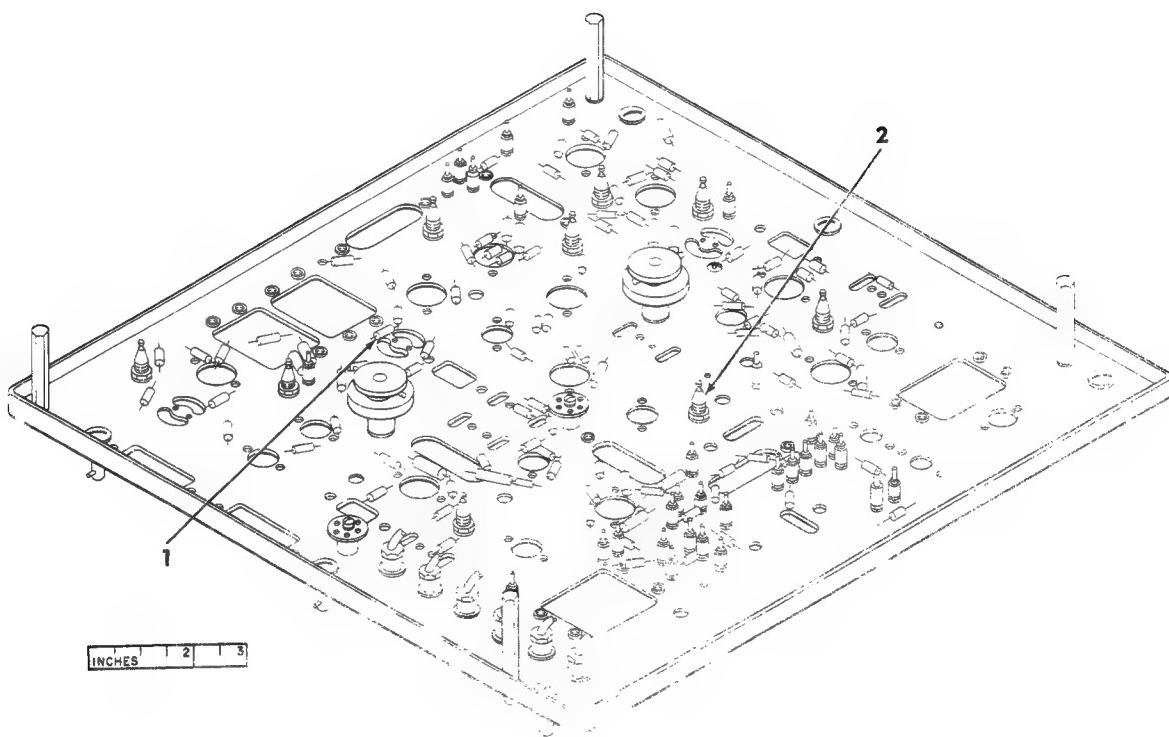
Figure 45. Coder, radar, guided missile (8159347)—partial exploded view



ORD G284158

1 JACK 8175017
2 JACK 8134425

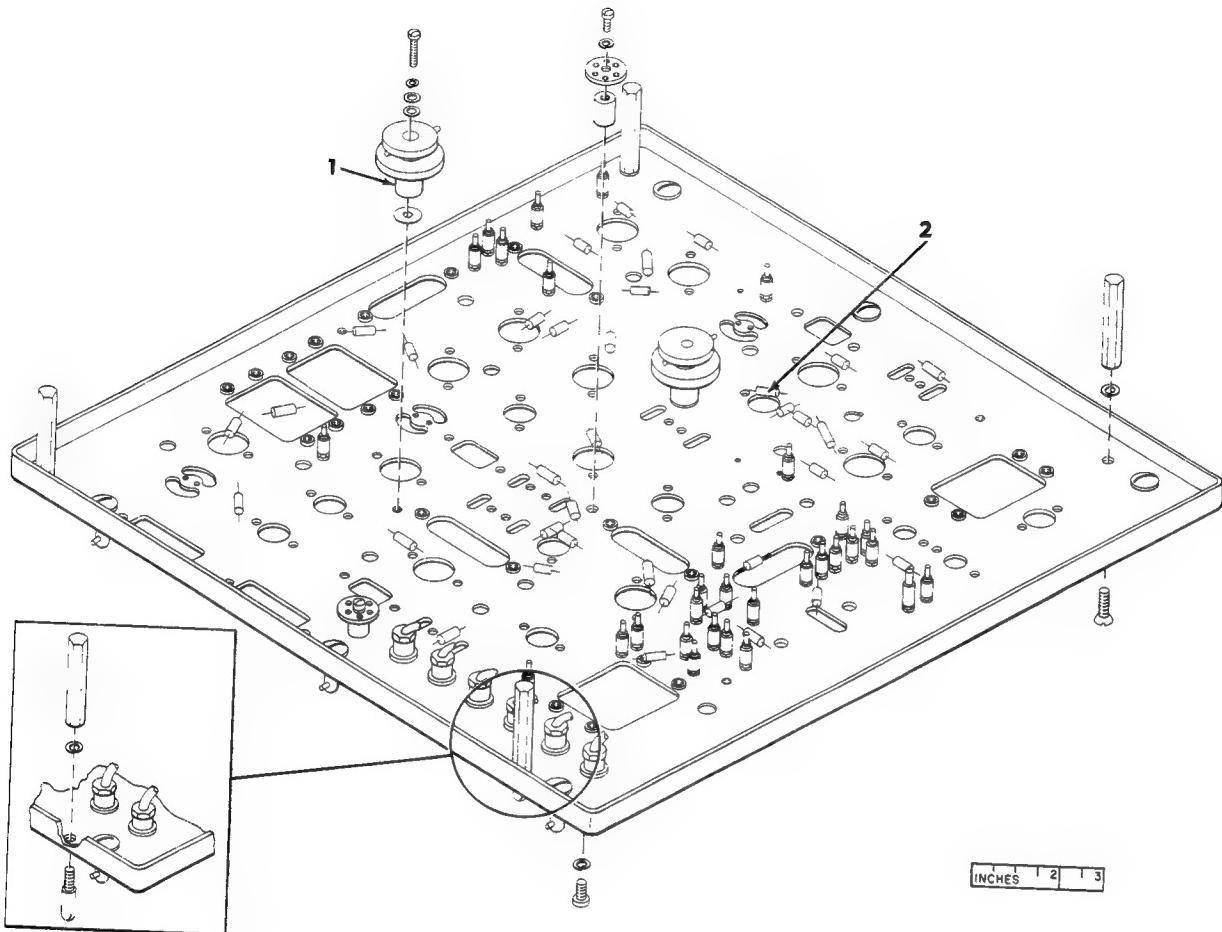
Figure 46. Coder, radar, guided missile (8159347) - partial exploded view



ORD 77-292

1. TOTAL UNIT 10.6
2. WGT 617501

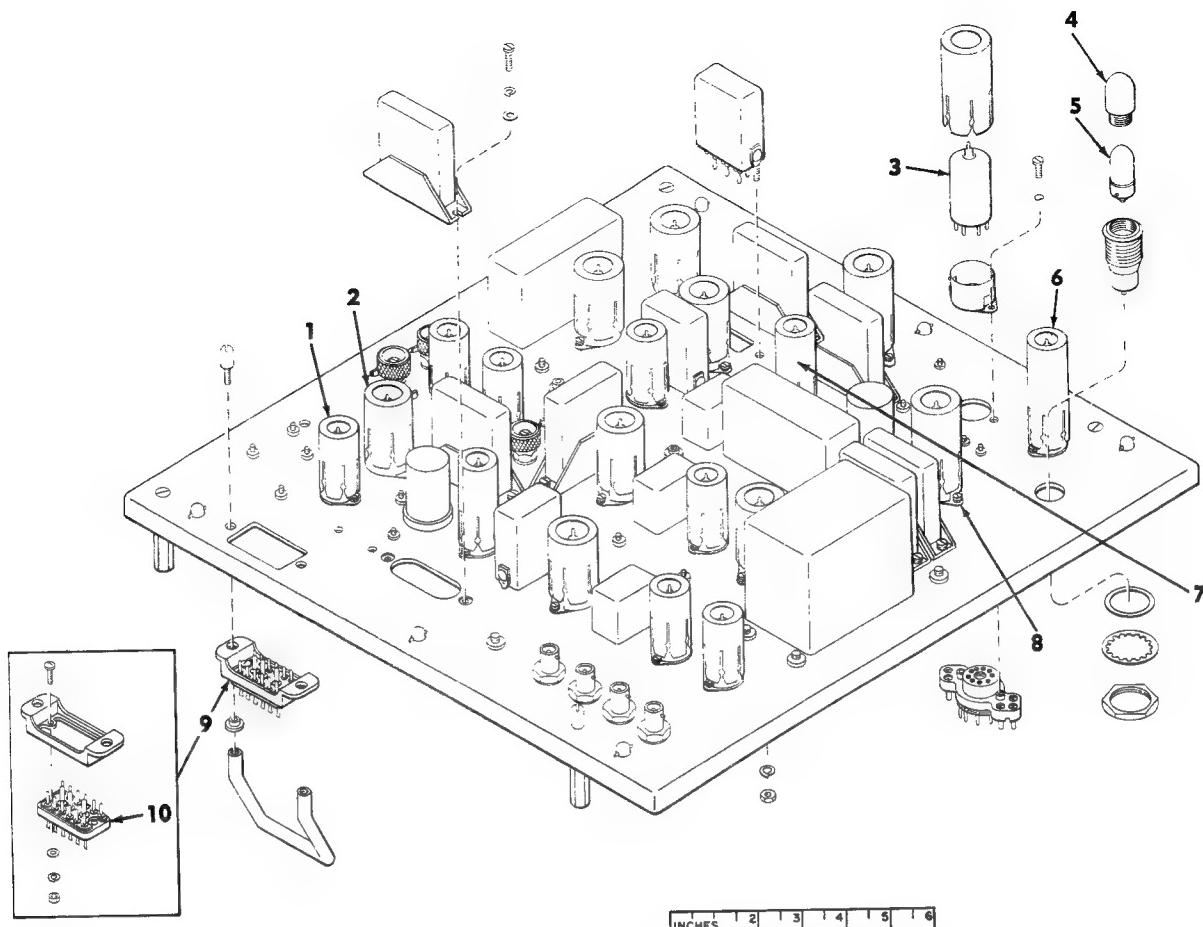
Figure 47. Coder, radar, guided missile (815934) - partial exploded view



ORD G284159

- 1 COIL 90-4080
2 SEMICONDUCTOR DE1114
T4142

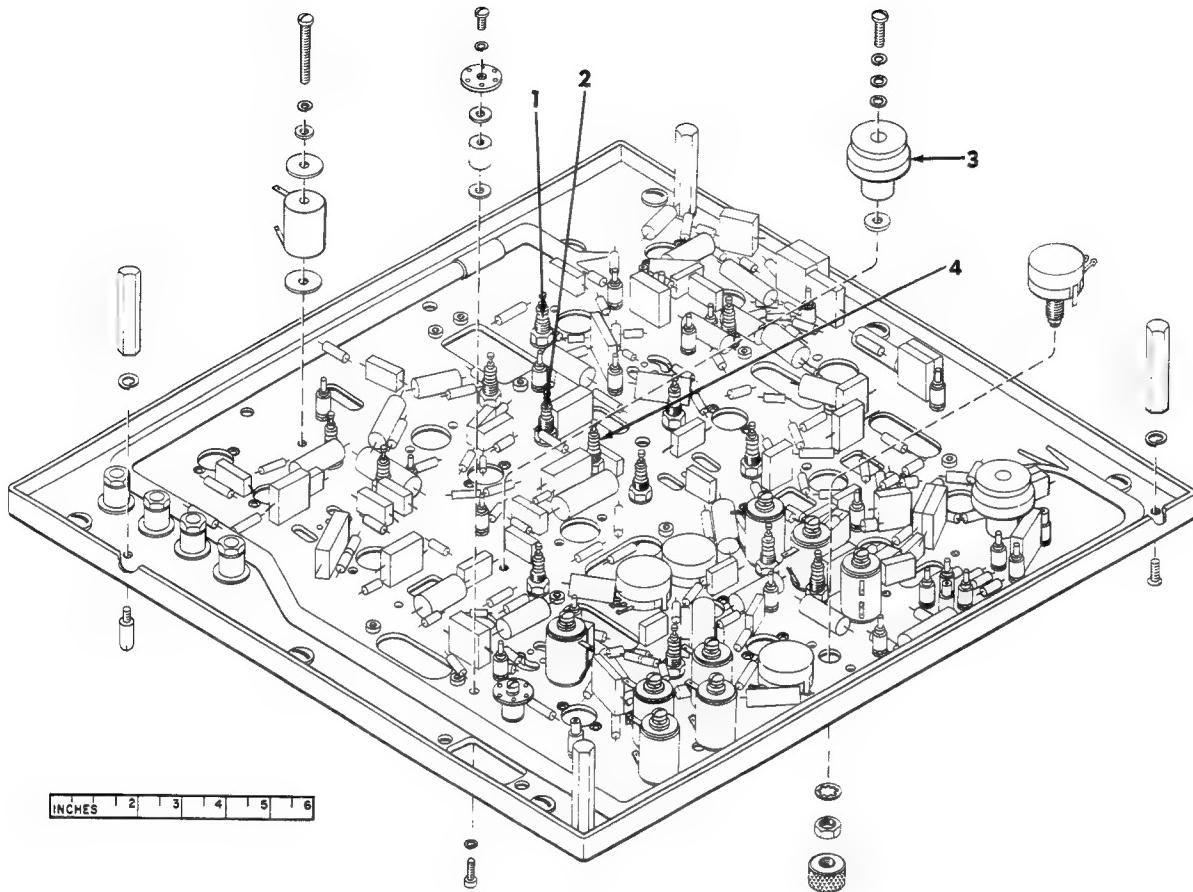
Figure 48. Coder, radar, guided missile (8159347) - partial exploded view



ORD G284160

- | | | |
|----|---------------|------------|
| 1 | ELECTRON TUBE | 5726/6AL5W |
| 2 | ELECTRON TUBE | 5670 |
| 3 | ELECTRON TUBE | 5814A |
| 4 | LENS | 8515659 |
| 5 | LAMP | 7605718 |
| 6 | ELECTRON TUBE | OB2WA |
| 7 | ELECTRON TUBE | 6AH6 |
| 8 | ELECTRON TUBE | 5687WA |
| 9 | CONNECTOR | 7598051 |
| 10 | CONNECTOR | 7598934 |

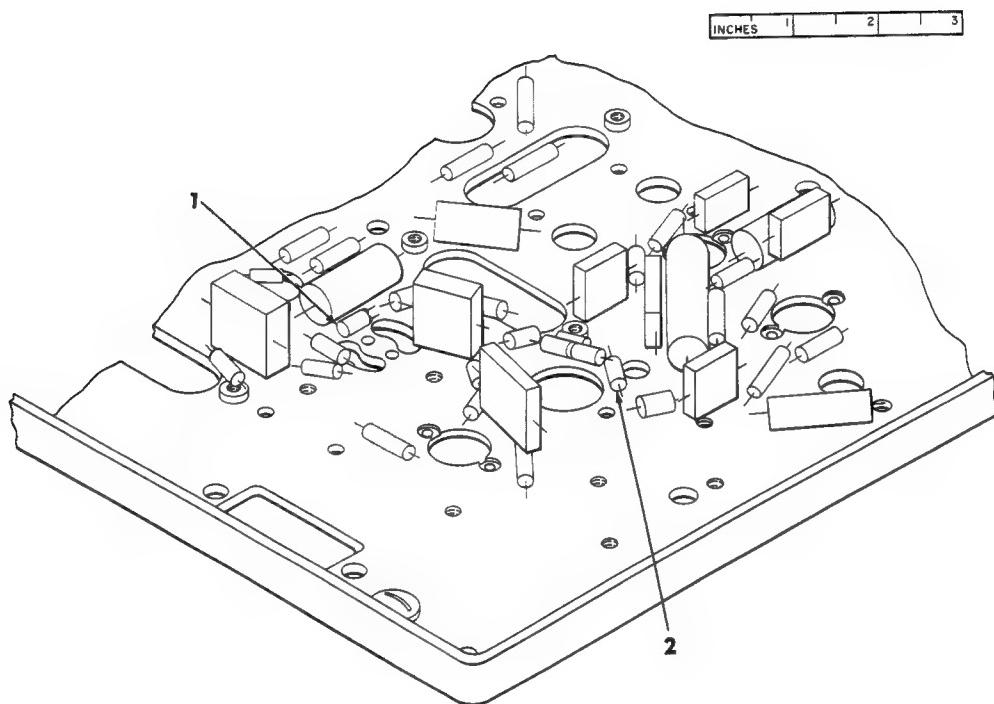
Figure 49. Coder, radar, guided missile (8159349)—partial exploded view



ORD G284161

- | | | |
|---|------|---------|
| 1 | JACK | 8175016 |
| 2 | JACK | 8175017 |
| 3 | COIL | 9004080 |
| 4 | JACK | 8134425 |

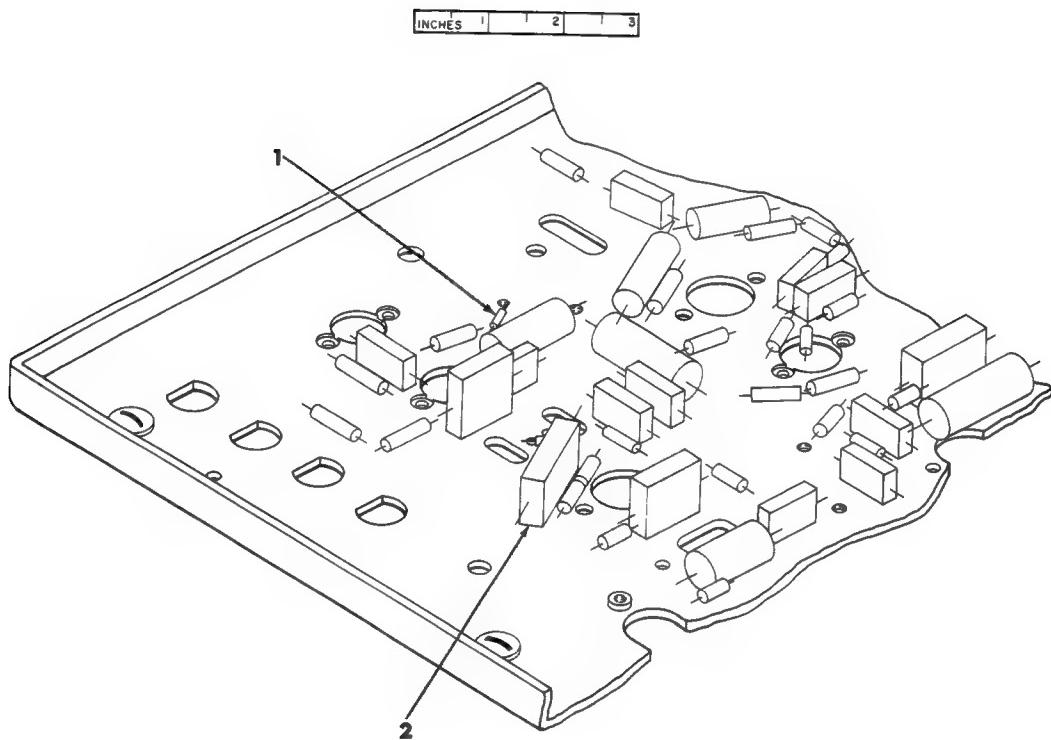
Figure 50. Coder, radar, guided missile (8159349) – partial exploded view



ORD G284162

1 CRYSTAL UNIT 8515007
2 SEMICONDUCTOR DEVICE
IN198

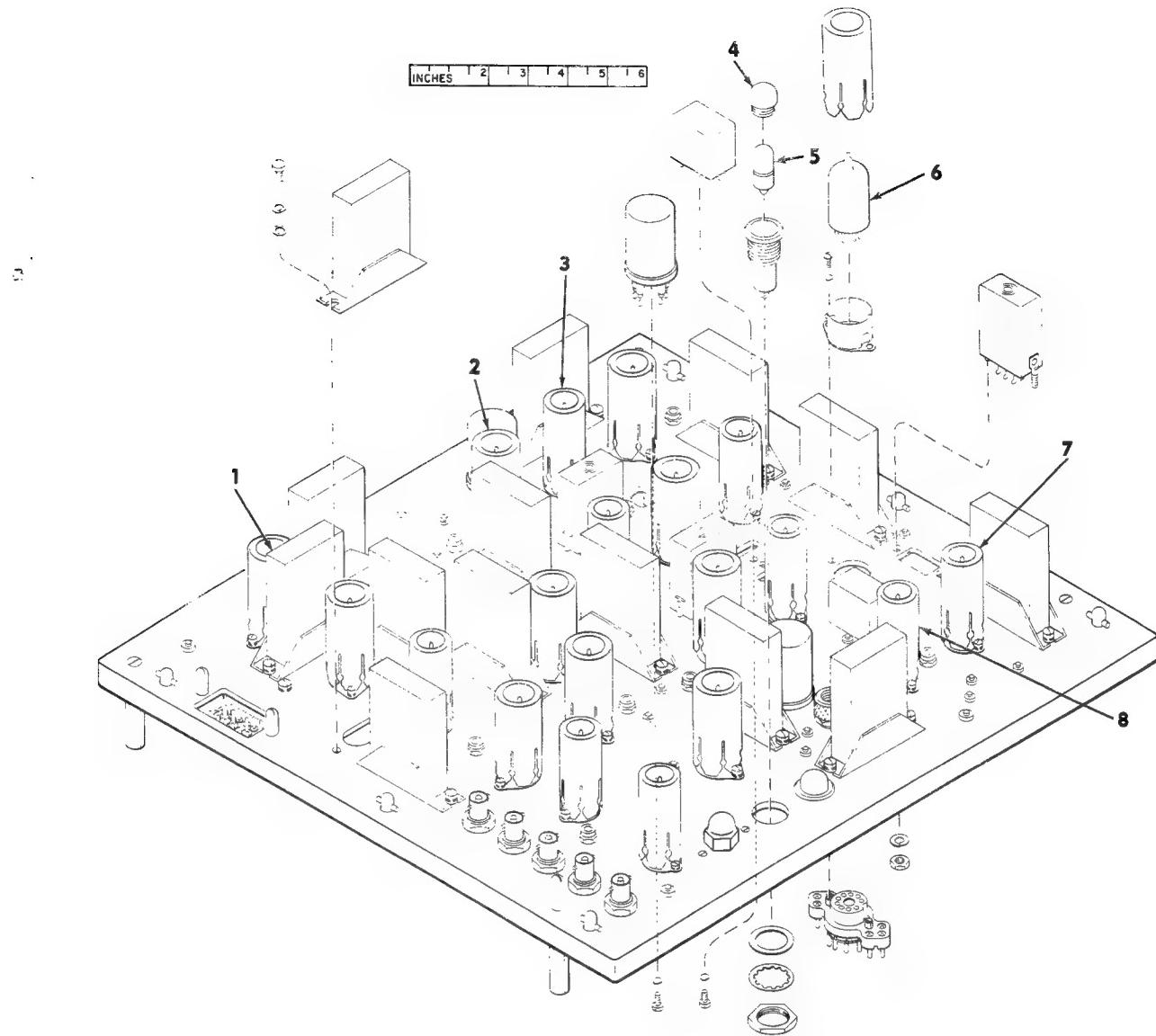
Figure 51. Coder, radar, guided missile (8159349)—partial exploded view



ORD G284163

- 1 SEMICONDUCTOR DEVICE
IN198
- 2 CAPACITOR CM40E103J

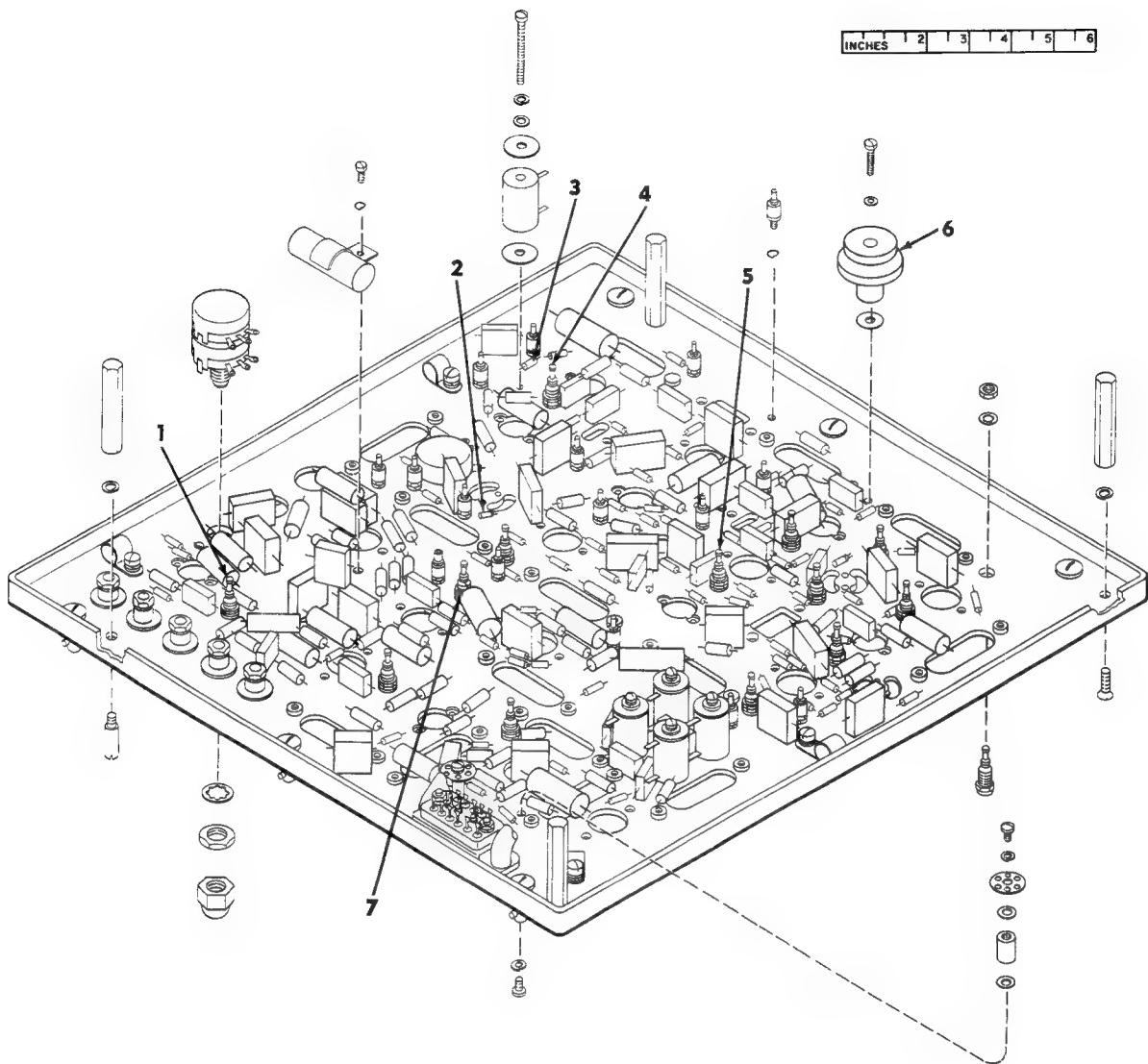
Figure 52. Coder, radar, guided missile (8159349) - partial exploded view



- 1 CAPACITOR CP69B1EF105K1
 2 ELECTRON TUBE 5687WA
 3 ELECTRON TUBE 6AH6
 4 LENS 8515659
 5 LAMP 7605718
 6 ELECTRON TUBE 5670
 7 ELECTRON TUBE 5726/6AS6W
 8 ELECTRON TUBE 5726/6AL5W

ORD G284166

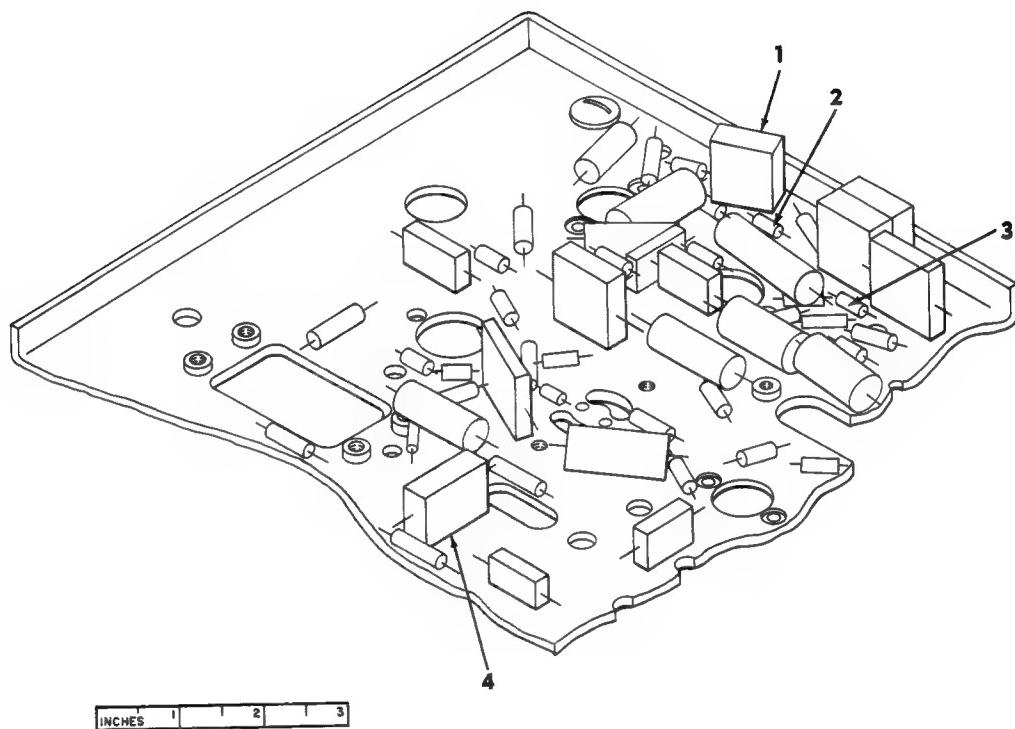
Figure 55. Generator, pulse (8159346) - partial exploded view



ORD G284167

- 1 JACK 8134425
- 2 CRYSTAL UNIT 8515007
- 3 SEMICONDUCTOR DEVICE
IN198
- 4 JACK 8175016
- 5 JACK 8175017
- 6 COIL 9004080
- 7 JACK 8175216

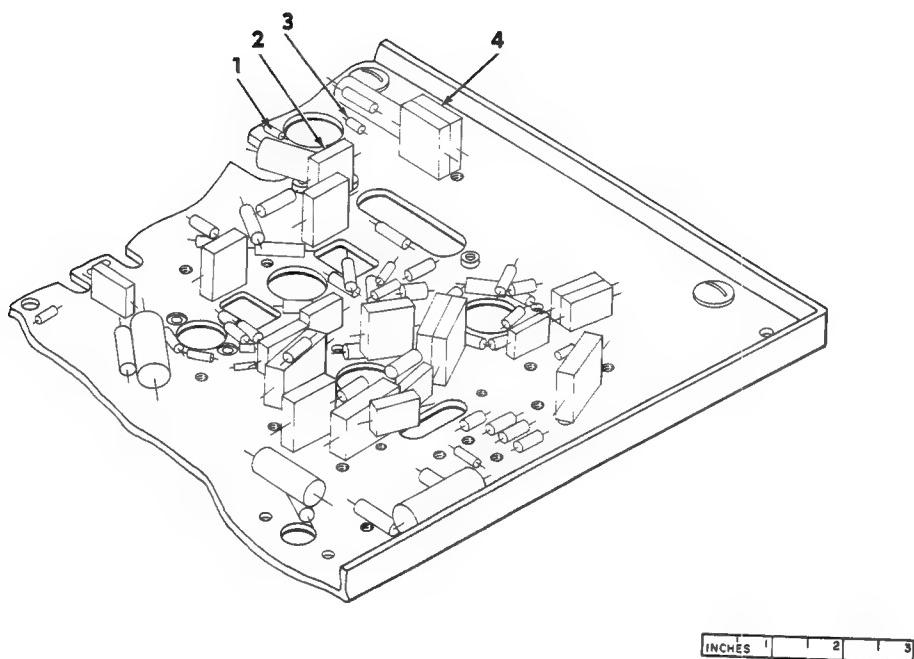
Figure 56. Generator, pulse (8159346) - partial exploded view



ORD G284164

- 1 CAPACITOR CM35E103J
- 2 SEMICONDUCTOR DEVICE
IN198
- 3 CRYSTAL UNIT 8515007
- 4 CAPACITOR CM40E103J

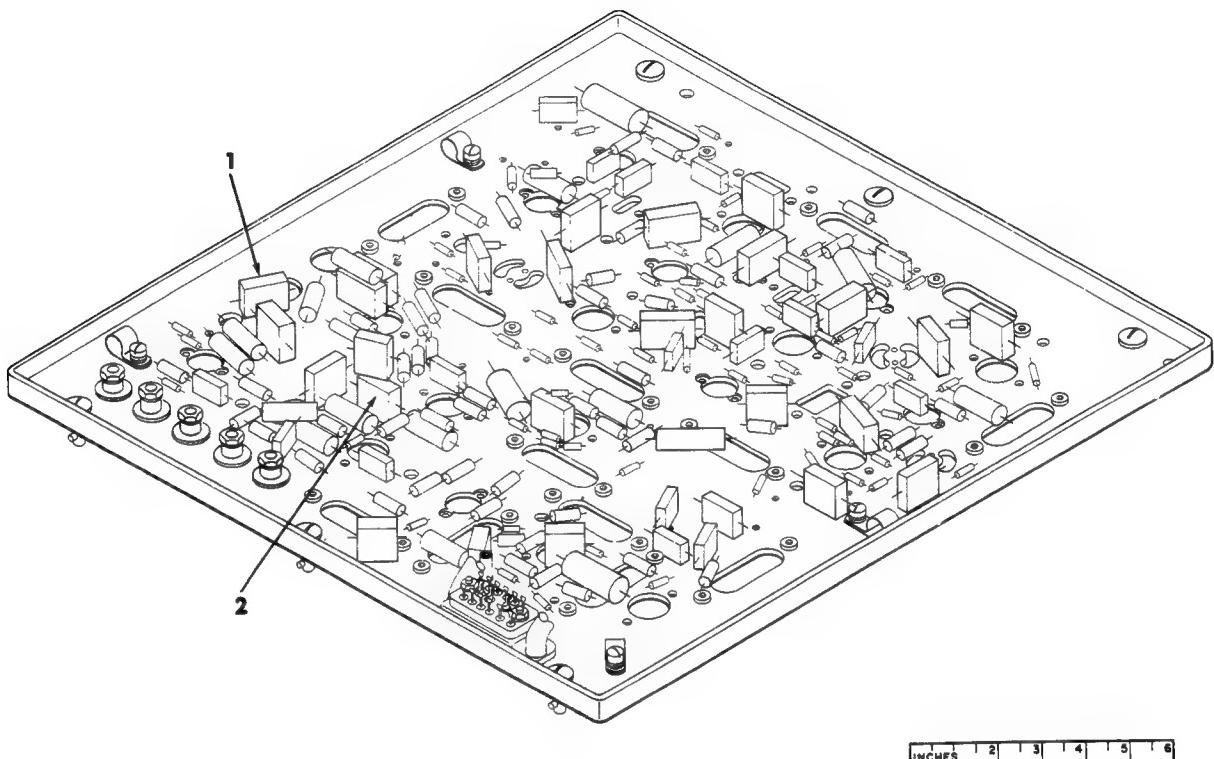
Figure 53. Coder, radar, guided missile (8159349) – partial exploded view



ORD G284165

- 1 CRYSTAL UNIT 8515007
- 2 CAPACITOR CM40E103J
- 3 SEMICONDUCTOR DEVICE
IN198
- 4 CAPACITOR CM35E103J

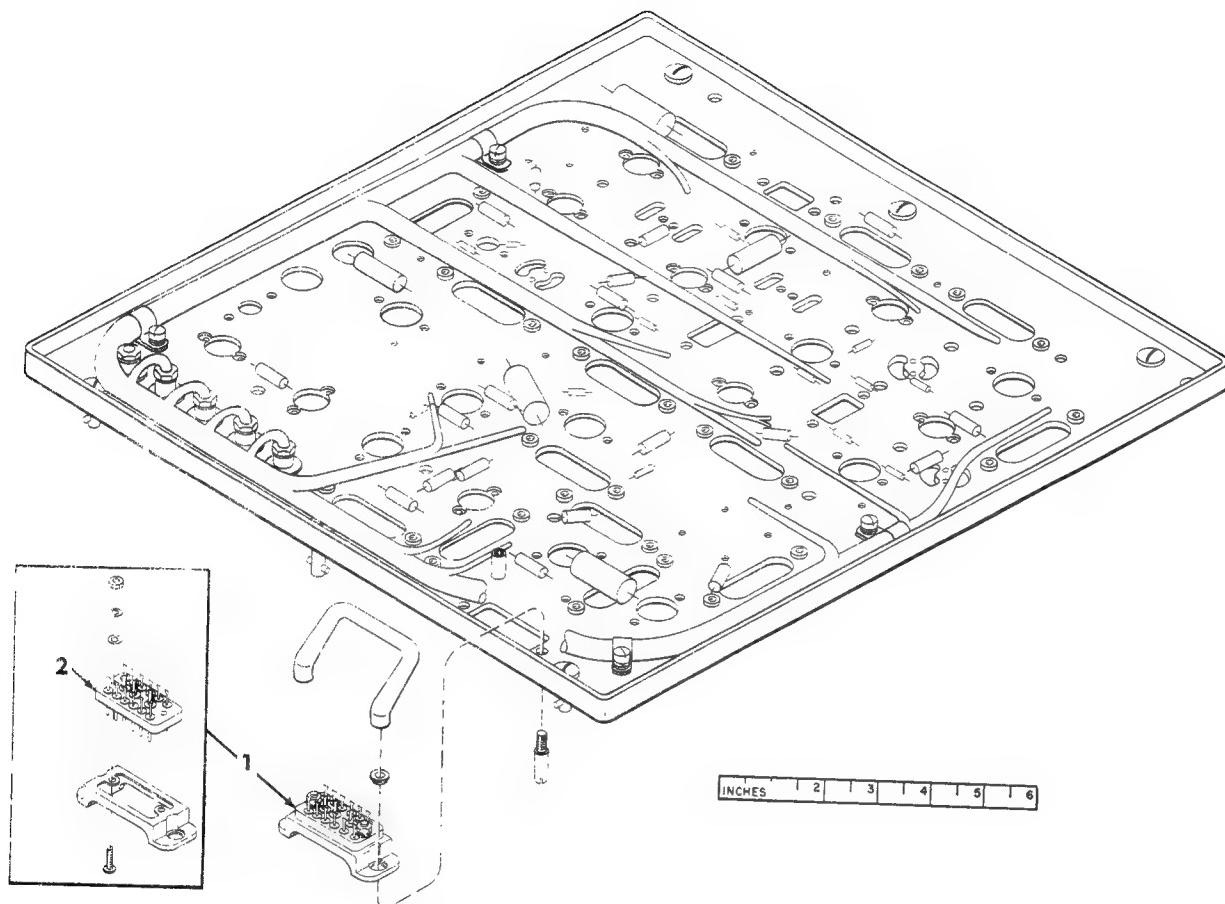
Figure 54. Coder, radar, guided missile (8159349)—partial exploded view



ORD G284168

1 CAPACITOR CM40E103J
2 CAPACITOR CM35E103J

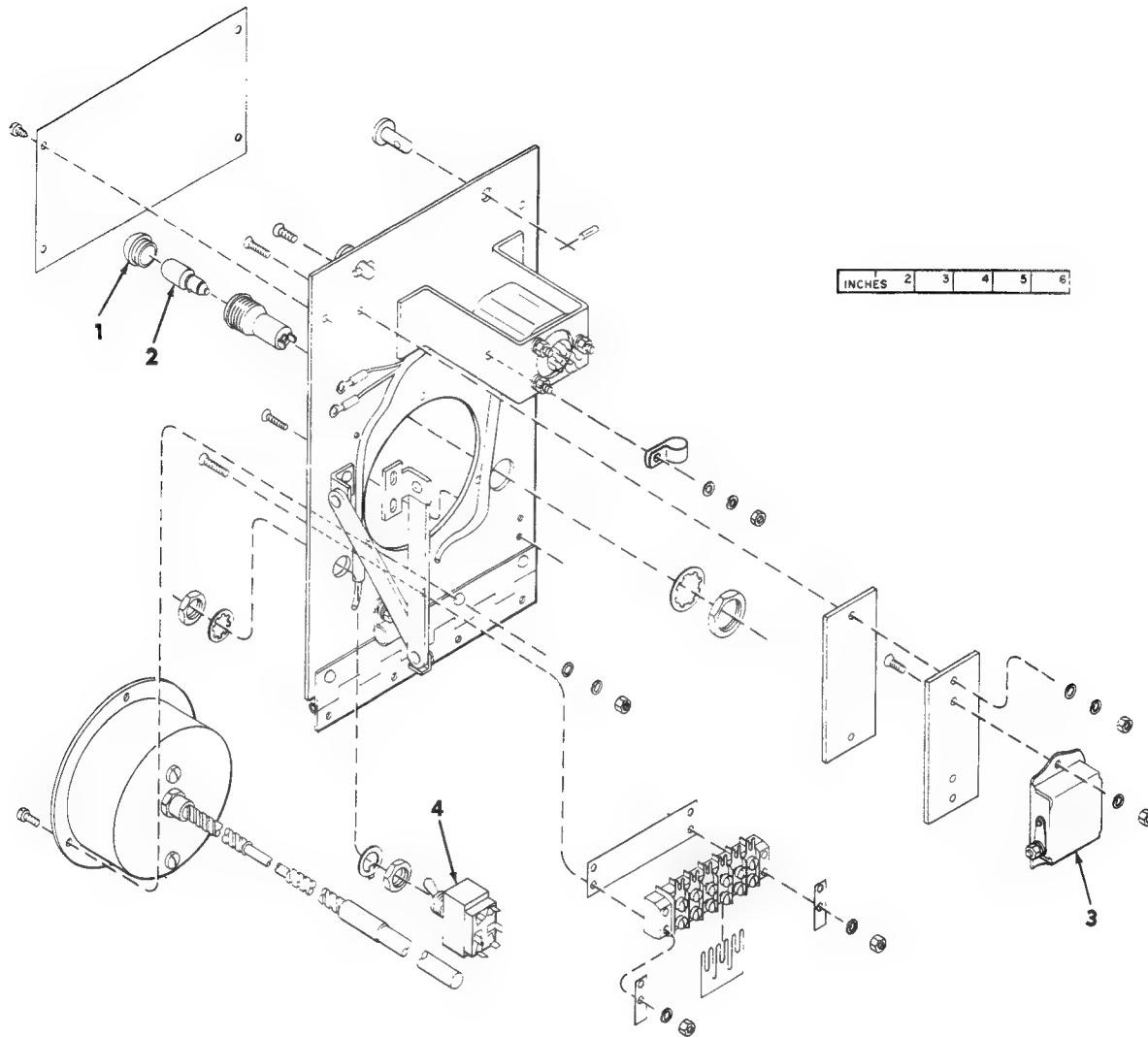
Figure 57. Generator, pulse (8159346)–partial exploded view



ORD G259931

1 CONNECTOR 7598051
2 CONNECTOR 7598934

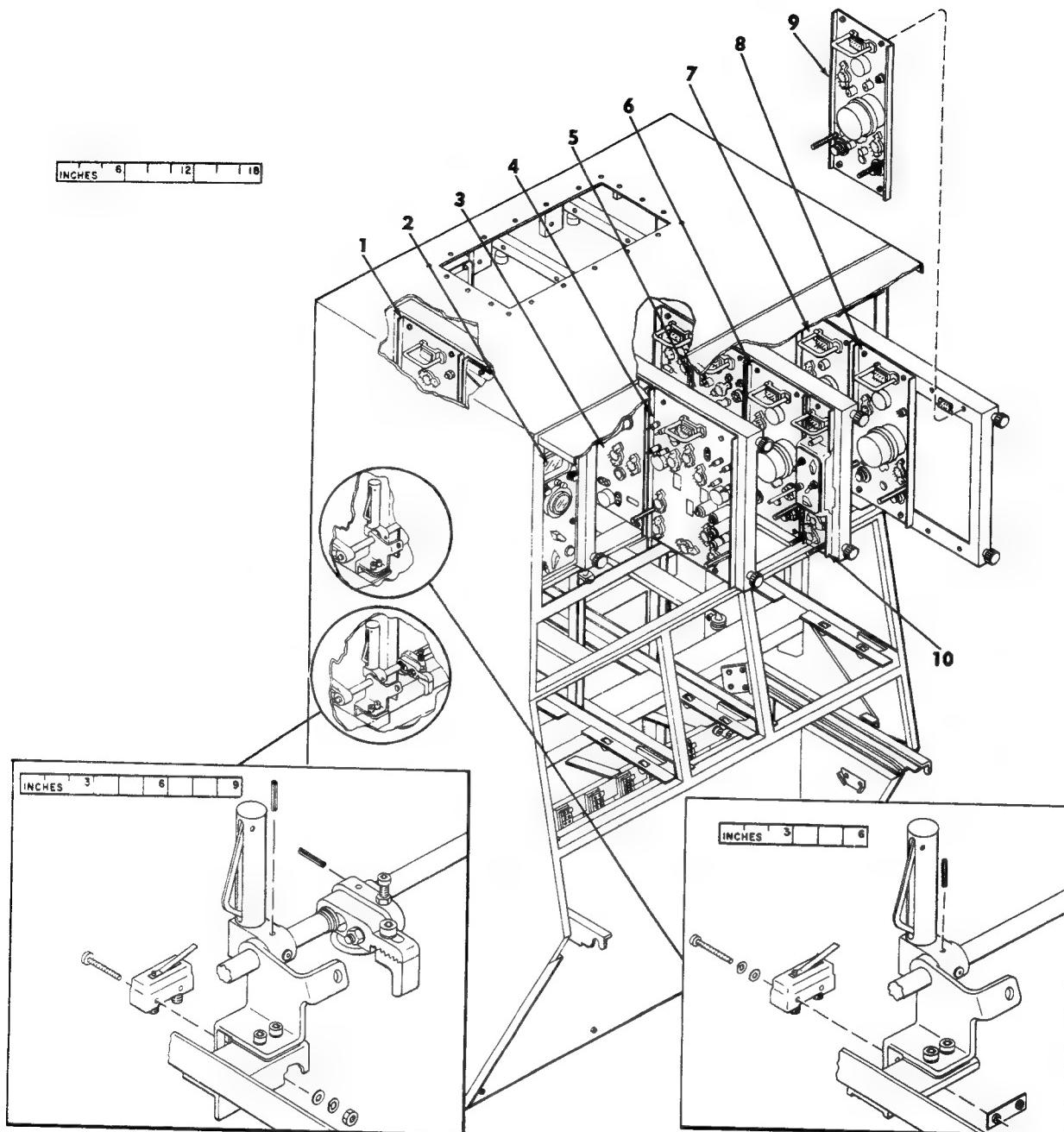
Figure 58. Generator, pulse (8159346) – partial exploded view



ORD G284169

- 1 LENS 8328096
- 2 LAMP MS-25231-1819
- 3 BUZZER 7599913
- 4 SWITCH MS-35059-26

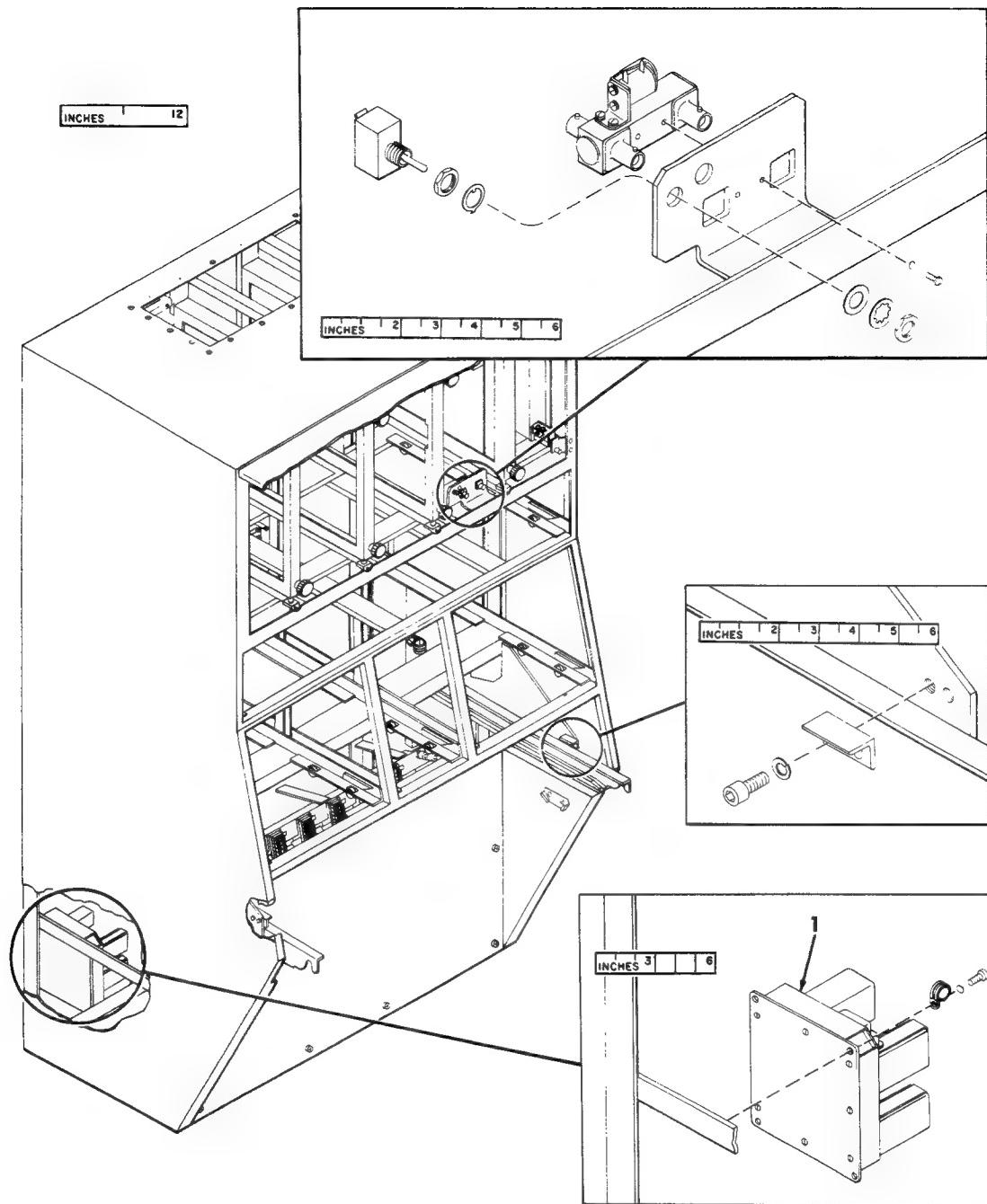
Figure 59. Panel, indicator (9989172)—exploded view



ORD G284170

- | | |
|------------------------------------|---------------------|
| 1 GENERATOR 8007721 | 6 GENERATOR 8007725 |
| 2 OSCILLOSCOPE 8007722 | 7 GENERATOR 8007726 |
| 3 GENERATOR 9000007 | 8 GENERATOR 8007728 |
| 4 GENERATOR 9142849 | 9 GENERATOR 8007727 |
| 5 AMPLIFIER-MIXER STAGE
8513525 | 10 ADAPTER 8520413 |

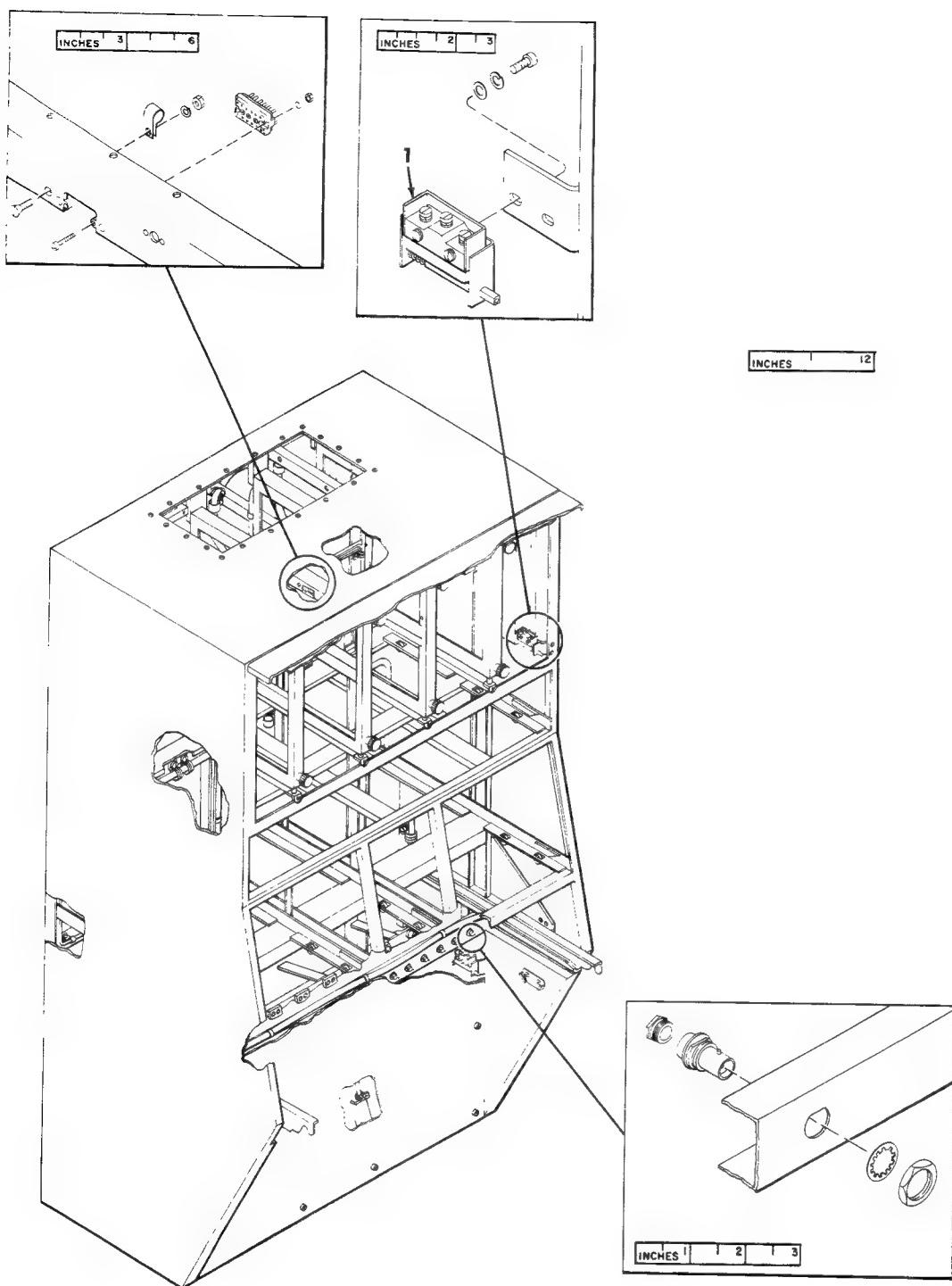
Figure 60. Console, radar control (8158377) - partial exploded view



ORD G263378

1 TELEPHONE SET 8010134

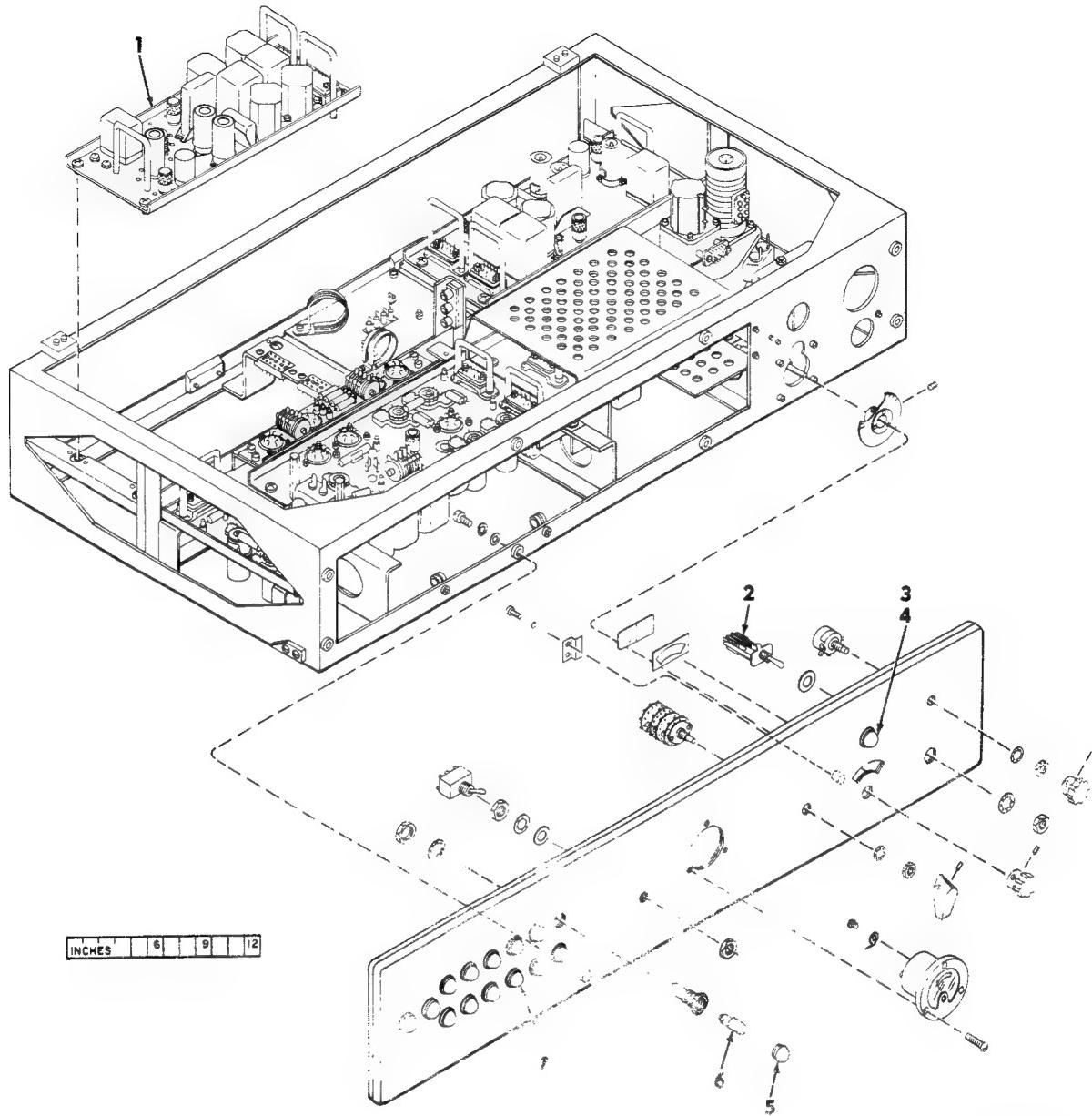
Figure 61. Console, radar control (8158377) – partial exploded view



ORD G284171

1 SWITCH 7602749

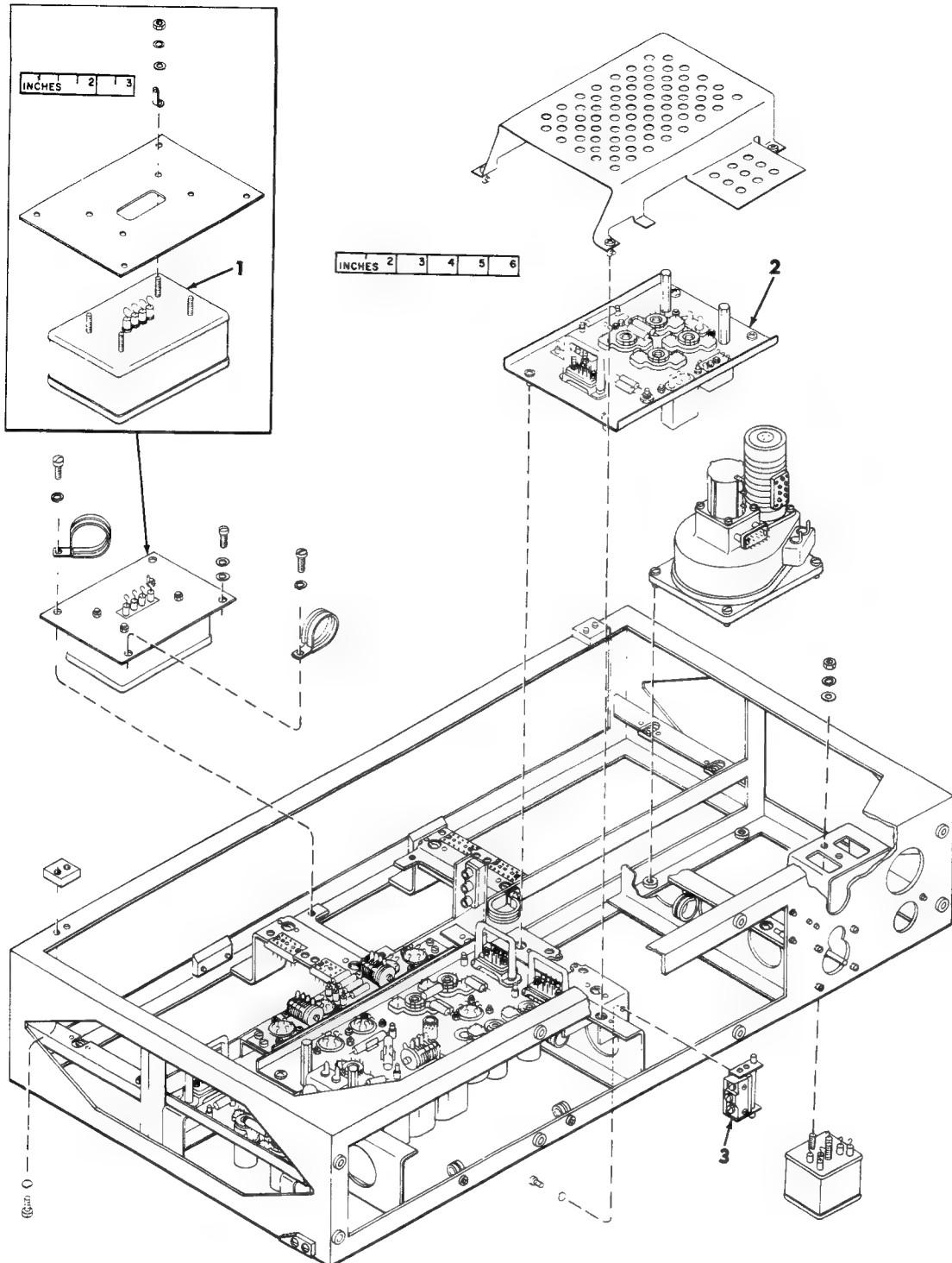
Figure 62. Console, radar control (8158377)—partial exploded view



ORD G284172

- | | |
|---------------------|----------------------|
| 1 AMPLIFIER 9006949 | 5 LENS 8175032 |
| 2 SWITCH 6175314 | 6 LAMP MS-25231-1819 |
| 3 LAMP NE-51 | 7 LFNS 8175035 |
| 4 LENS 8175312 | |

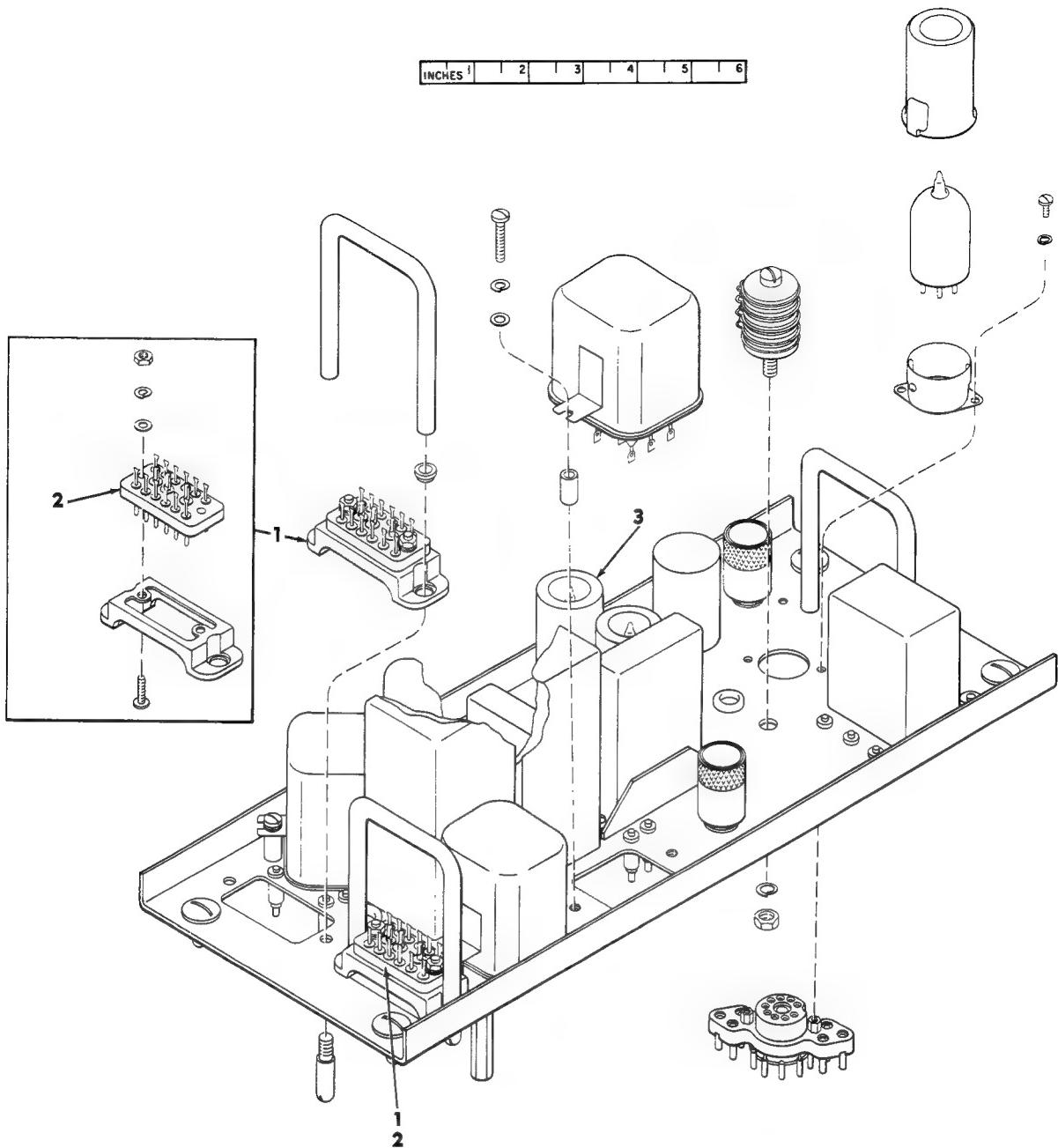
Figure 63. Control-indicator group '8158375)—partial exploded view



ORD G284173

- 1 REGULATOR 8015382
- 2 SIMULATOR 8009261
- 3 SWITCH 7602749

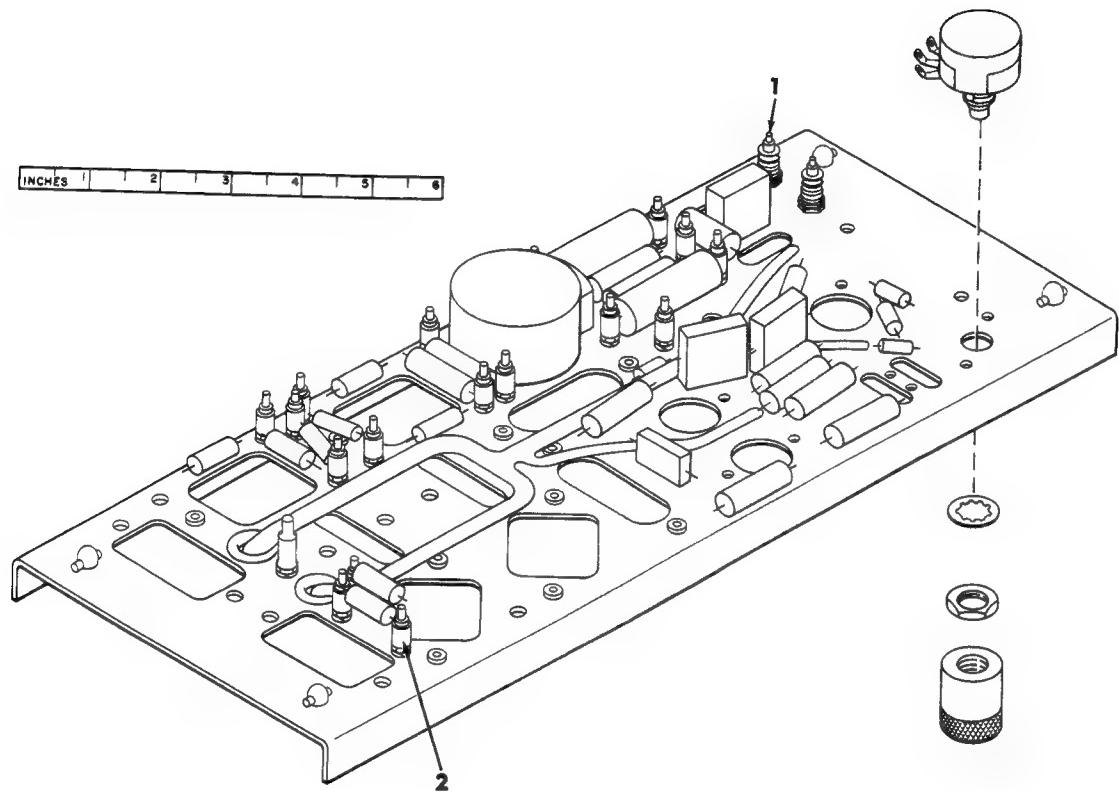
Figure 64. Control-indicator group (8158375)—partial exploded view



ORD G284175

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 ELECTRON TUBE 5755

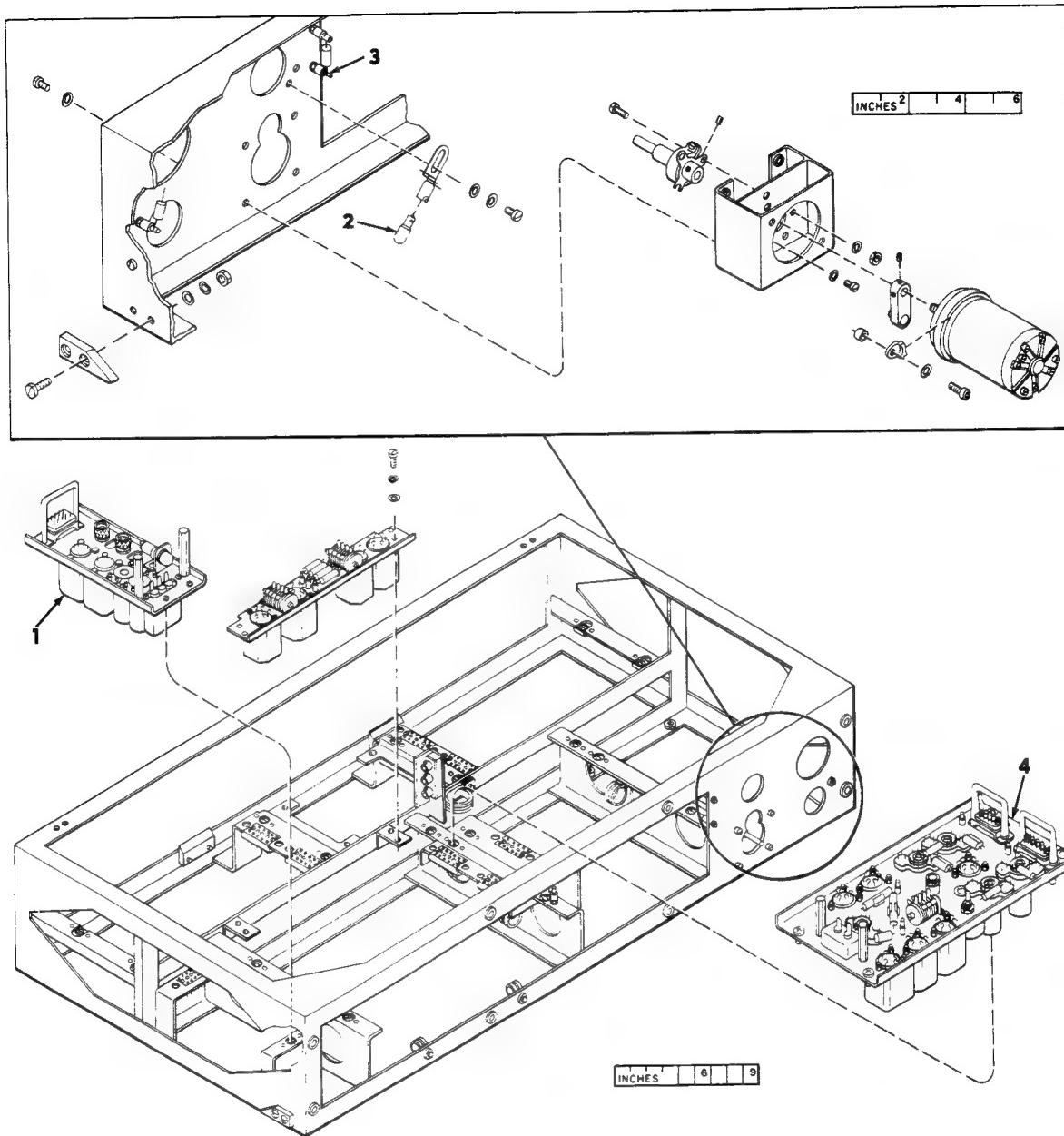
Figure 67. Amplifier, electronic control (9006949)—partial exploded view



ORD G284176

1 JACK 8134425
2 TERMINAL 7598949

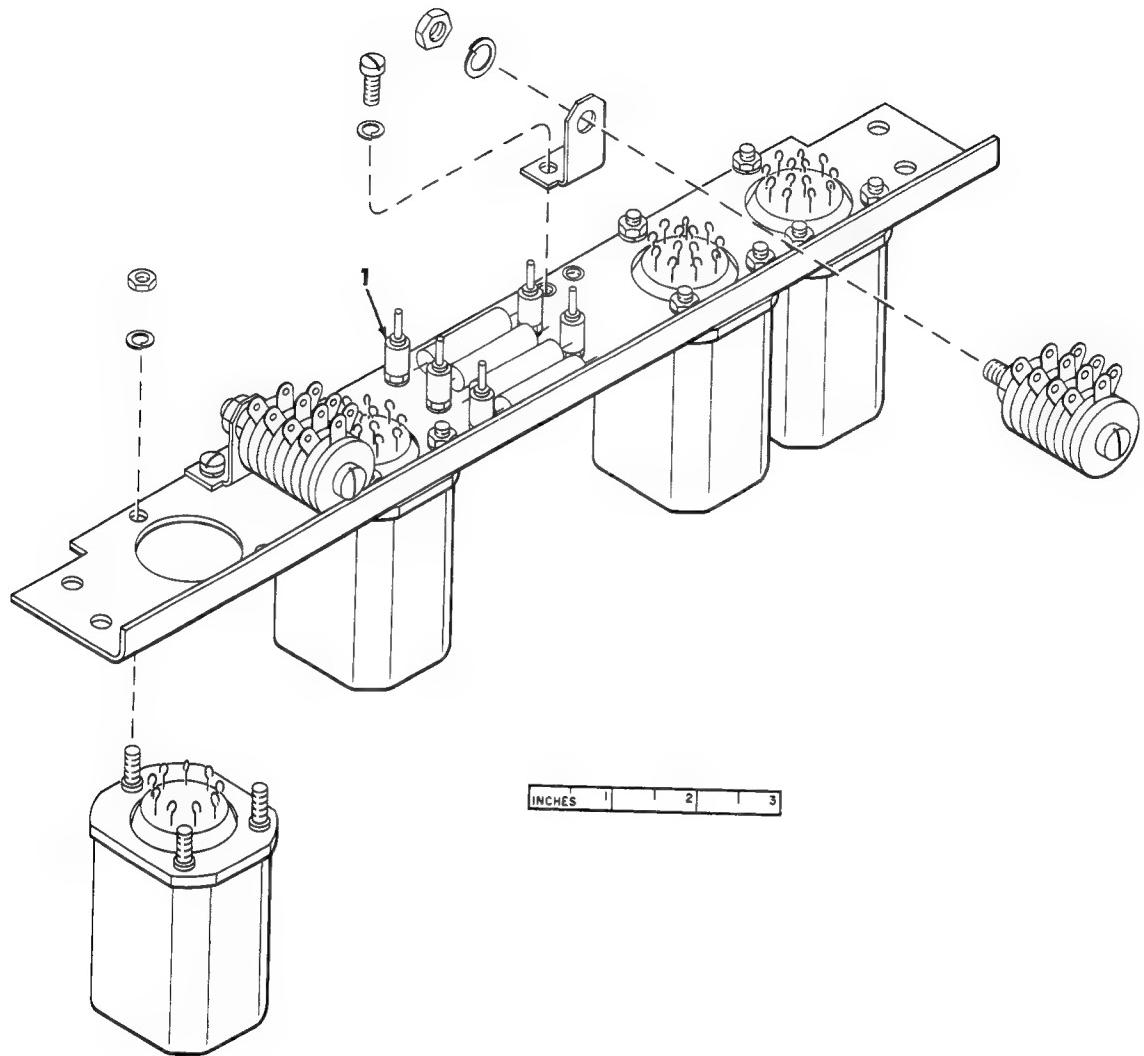
Figure 68. Amplifier, electronic control (9006949) - partial exploded view



ORD G284174

- 1 AMPLIFIER 9993034
 2 LAMP MS-15571-2
 3 TERMINAL 7598949
 4 AMPLIFIER 8517364

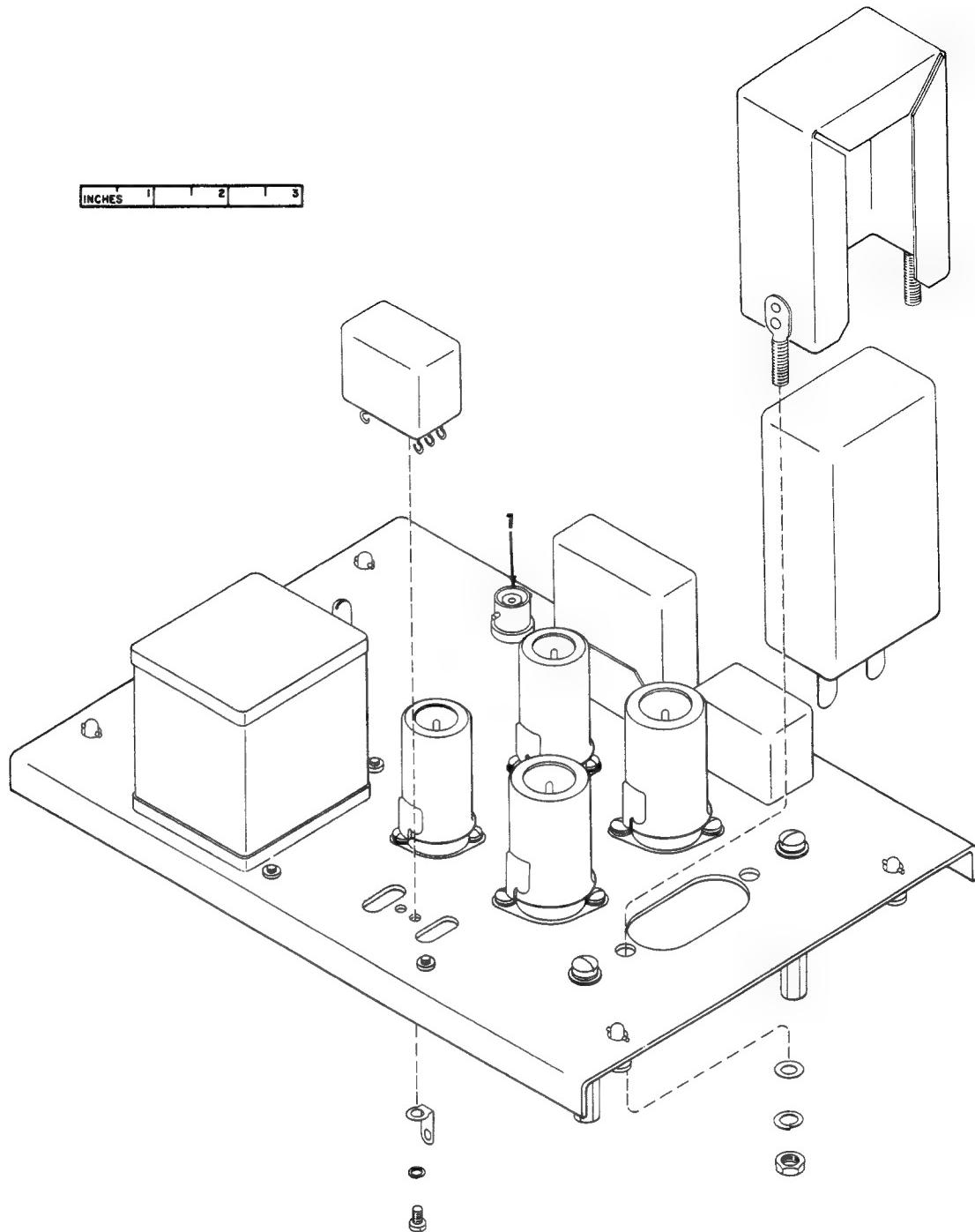
Figure 65. Control-indicator group (8158375)—partial exploded view



ORD G259935

1 TERMINAL 7598949

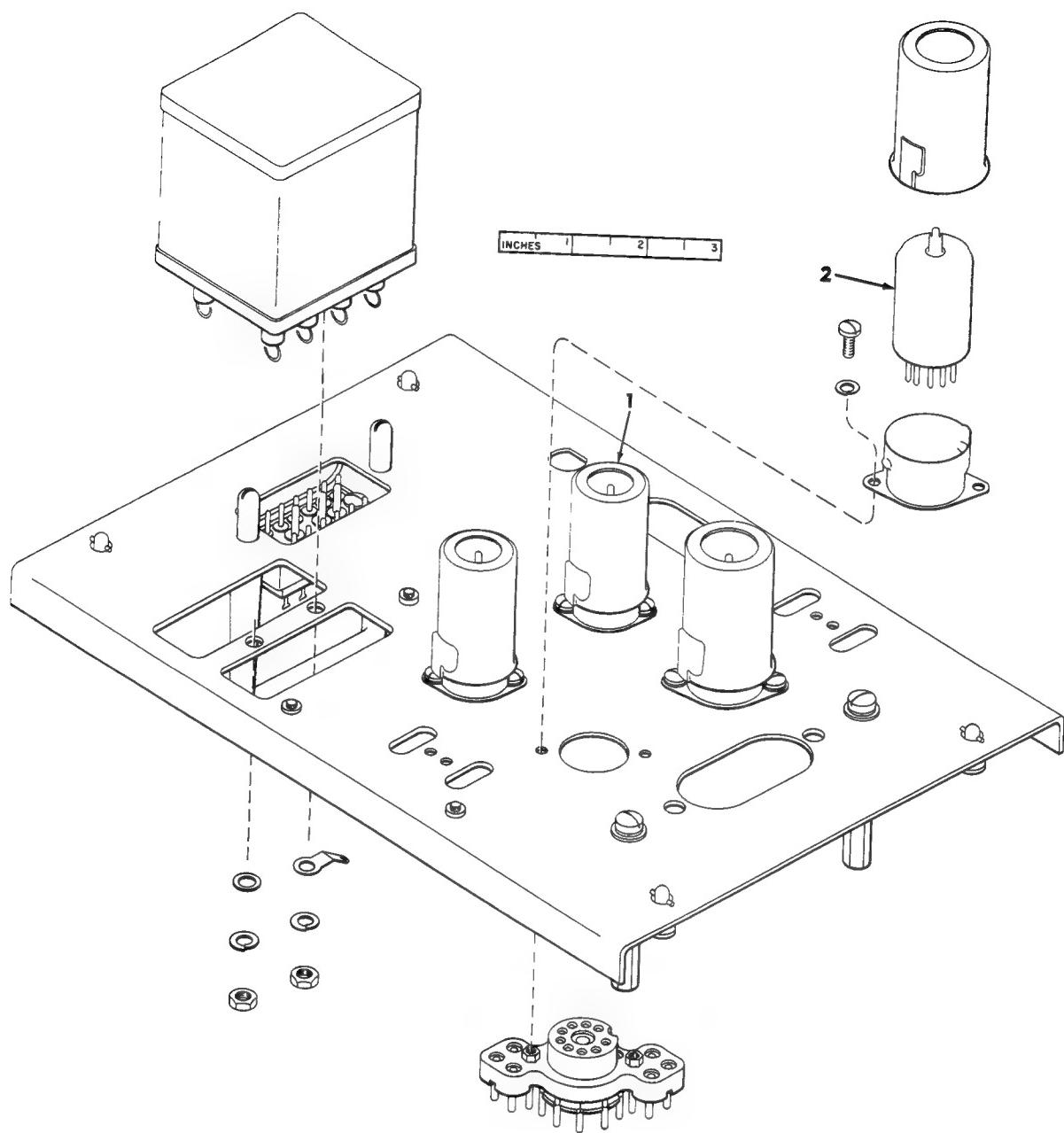
Figure 66. Relay assembly (8511352) - exploded view



ORD G284177

1 CONNECTOR MS-27035-6258

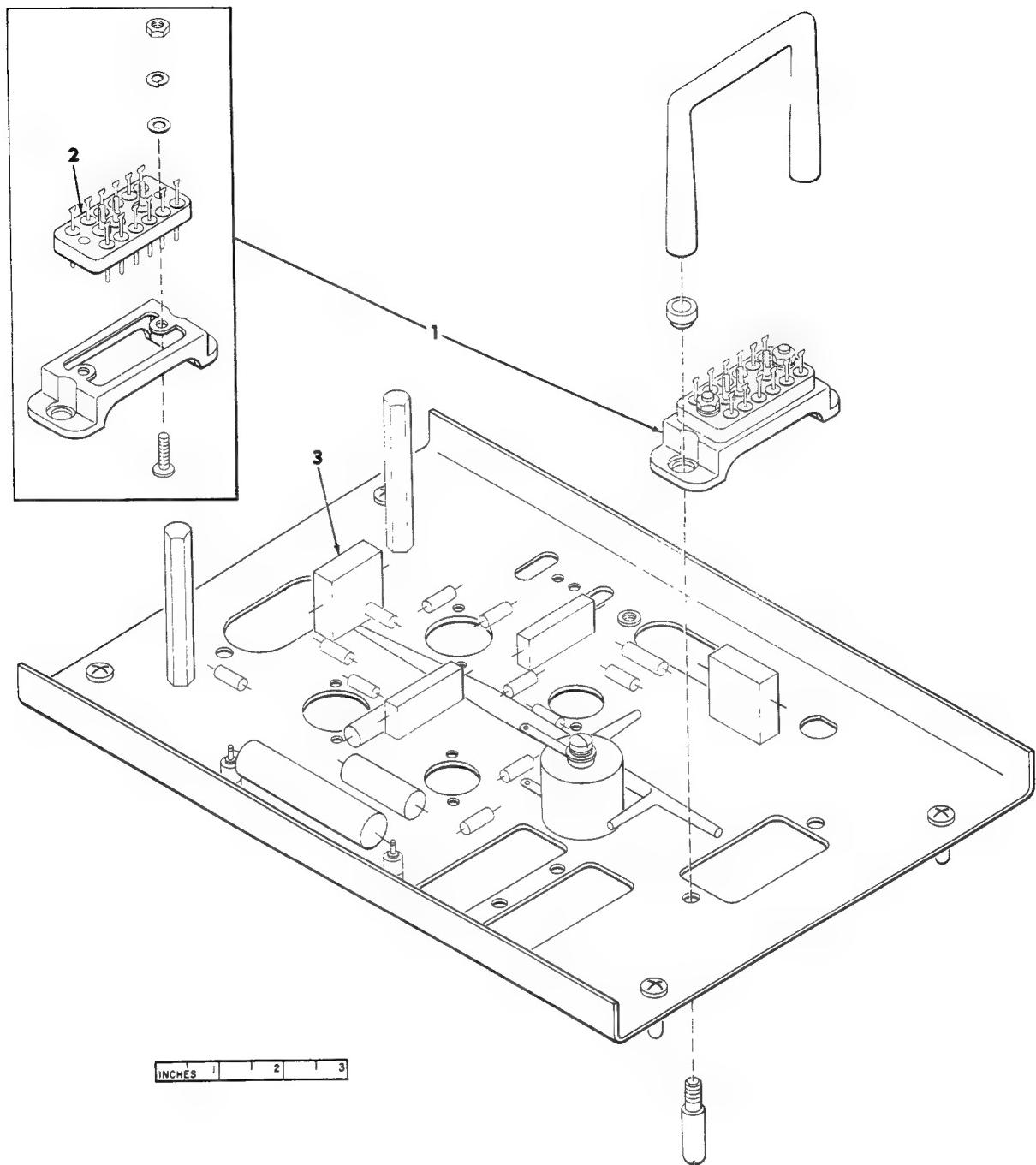
Figure 69. Simulator, radar signal SM-76/M (8009261)—partial exploded view



ORD G284178

1 ELECTRON TUBE 5726/6AL5W
2 ELECTRON TUBE 5670

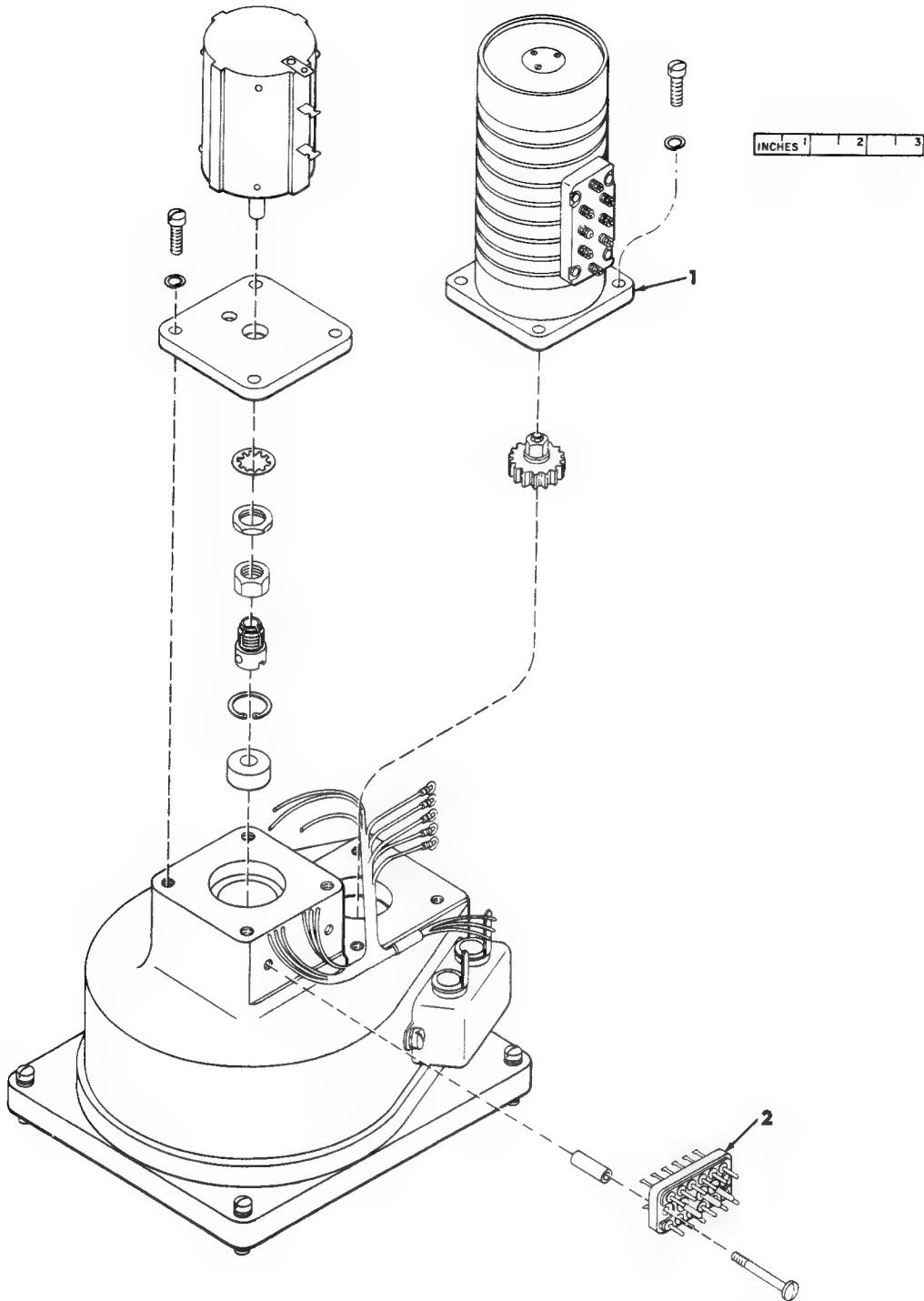
Figure 70. Simulator, radar signal SM-76/M (8009261) - partial exploded view



ORD G284179

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 CAPACITOR CM35E103J

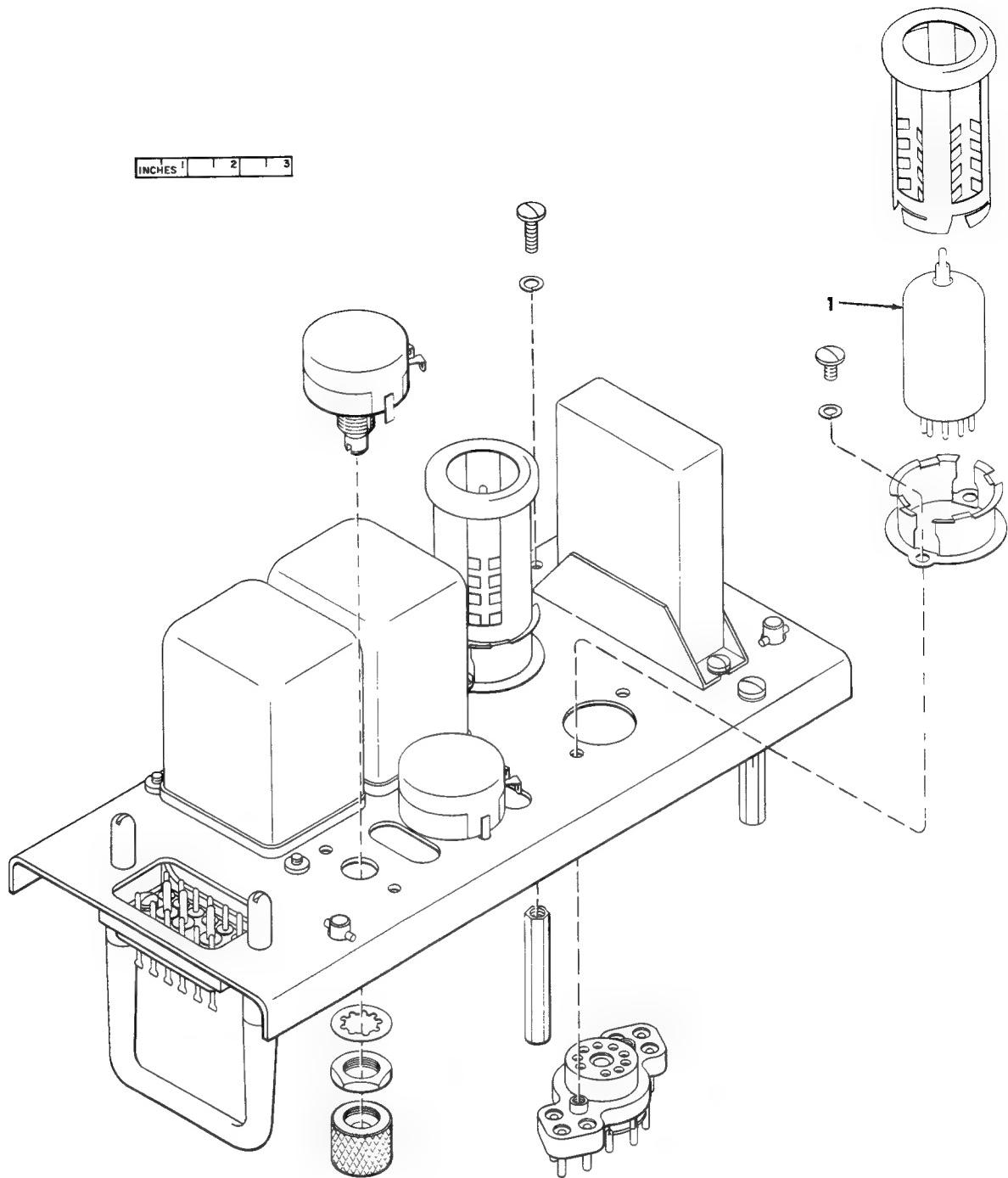
Figure 71. Simulator, radar signal SM-76/M (8009261) – partial exploded view



1 MOTOR-GENERATOR 7605334
2 CONNECTOR 7598934

ORD G284180

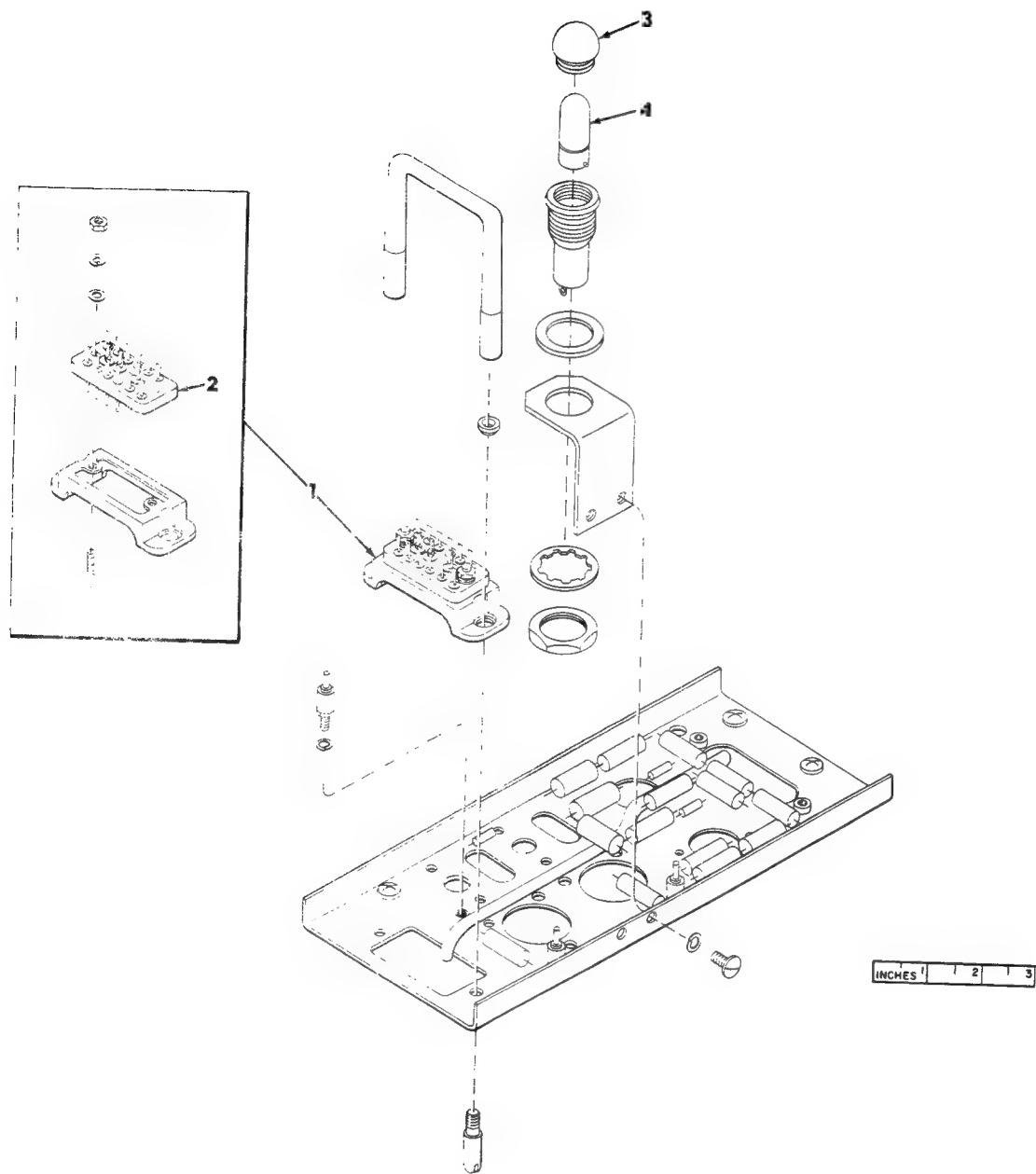
Figure 72. Control simulator (8009340)—exploded view



ORD G284181

1 ELECTRON TUBE 5814A

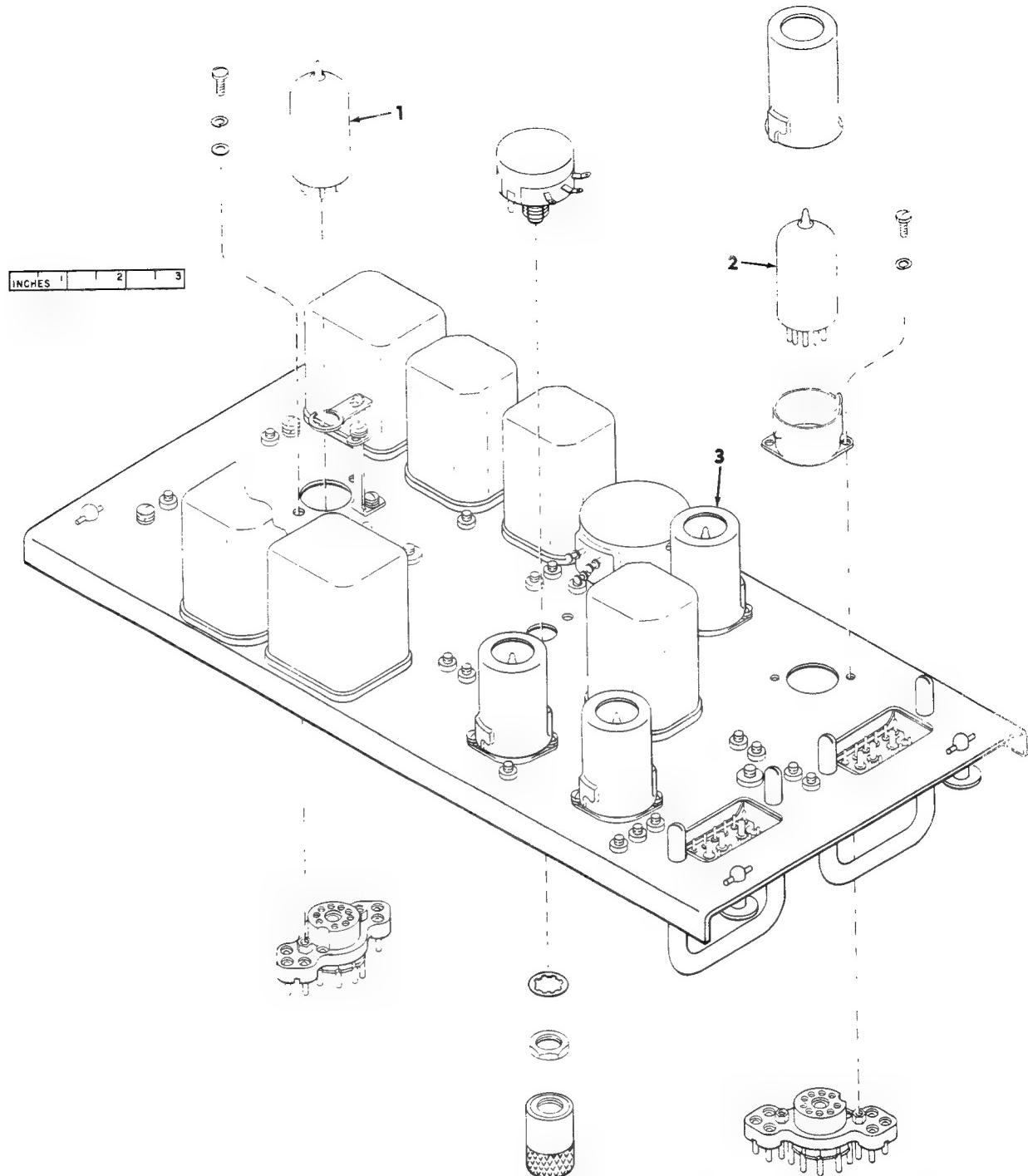
Figure 73. Amplifier, electronic control (9993034) – partial exploded view



ORD G263381

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 LENS 8175035
- 4 LAMP 7605718

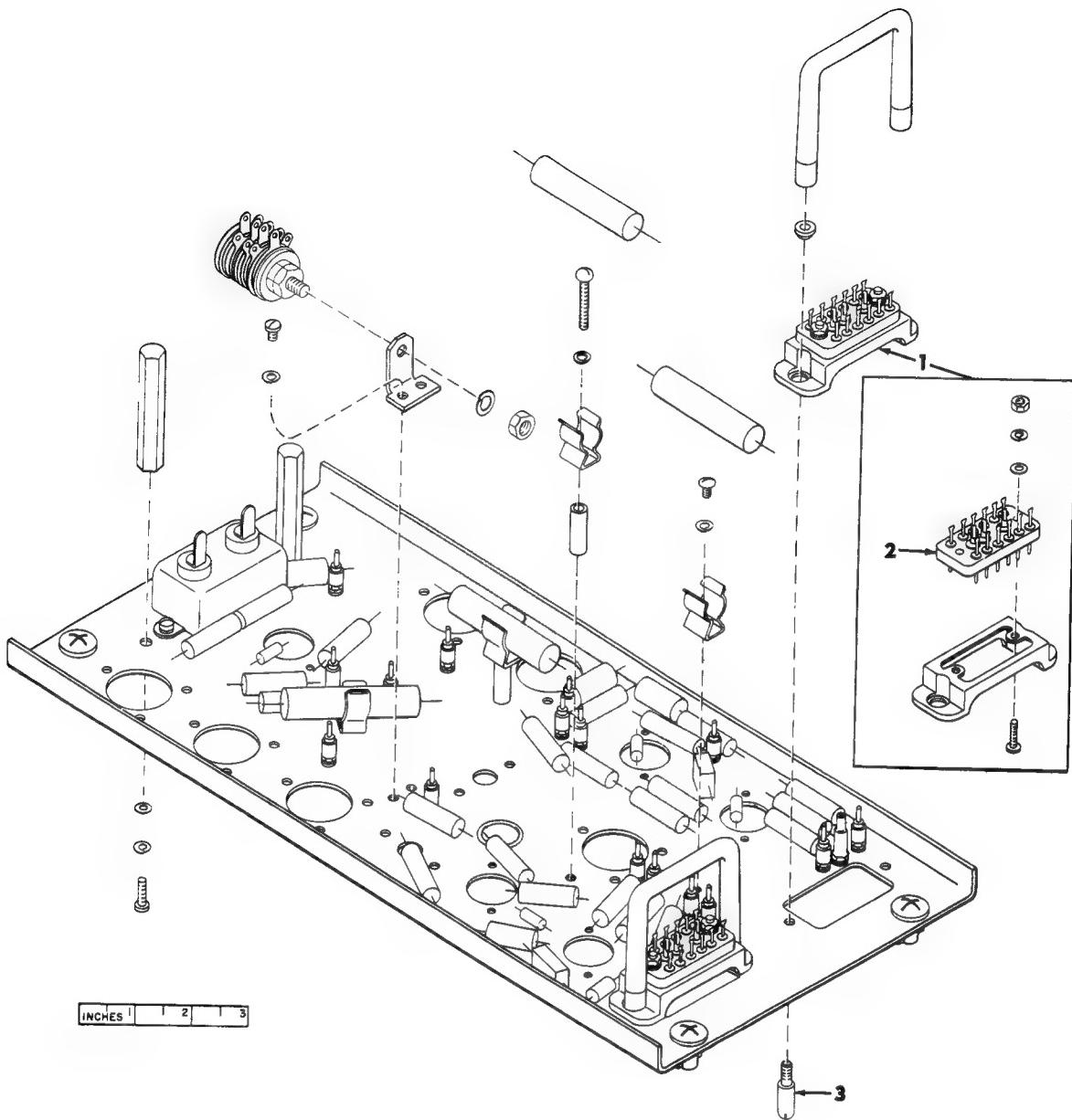
Figure 74. Amplifier, electronic control (9993034)—partial exploded view



ORD G284182

- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 5755
- 3 ELECTRON TUBE 5814A

Figure 75. Amplifier, electronic control (9993034) – partial exploded view

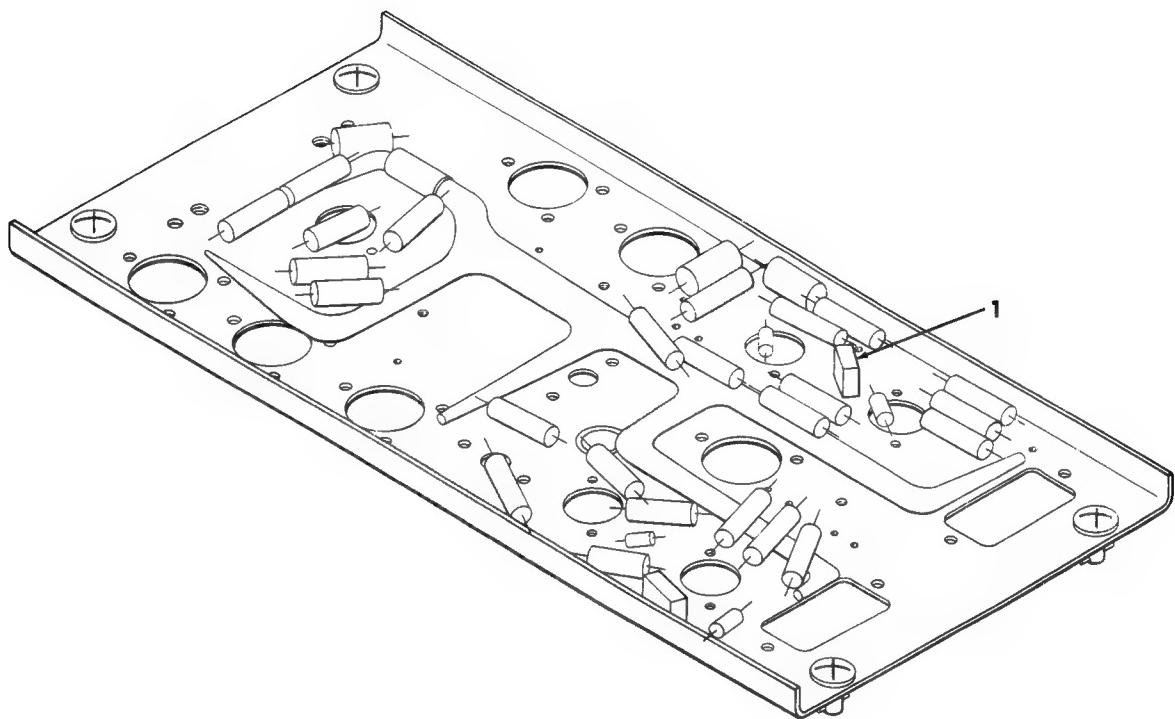


ORD G259941

- | | | |
|---|-----------|---------|
| 1 | CONNECTOR | 7598051 |
| 2 | CONNECTOR | 7598934 |
| 3 | TERMINAL | 7598949 |

Figure 76. Amplifier, electronic control (8517364)—partial exploded view

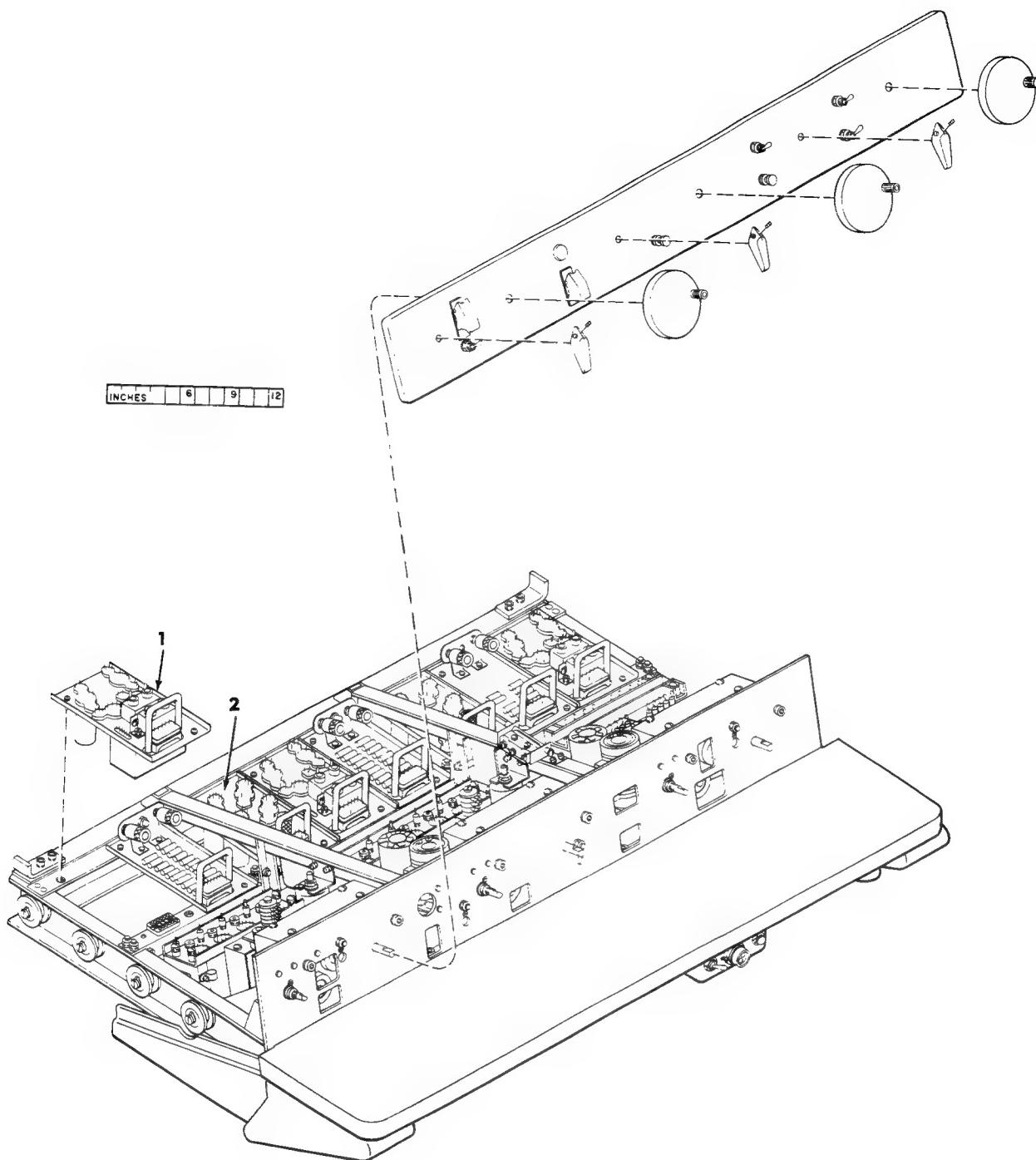
INCHES 1 2 3



ORD G284183

1 CAPACITOR CM35E103J

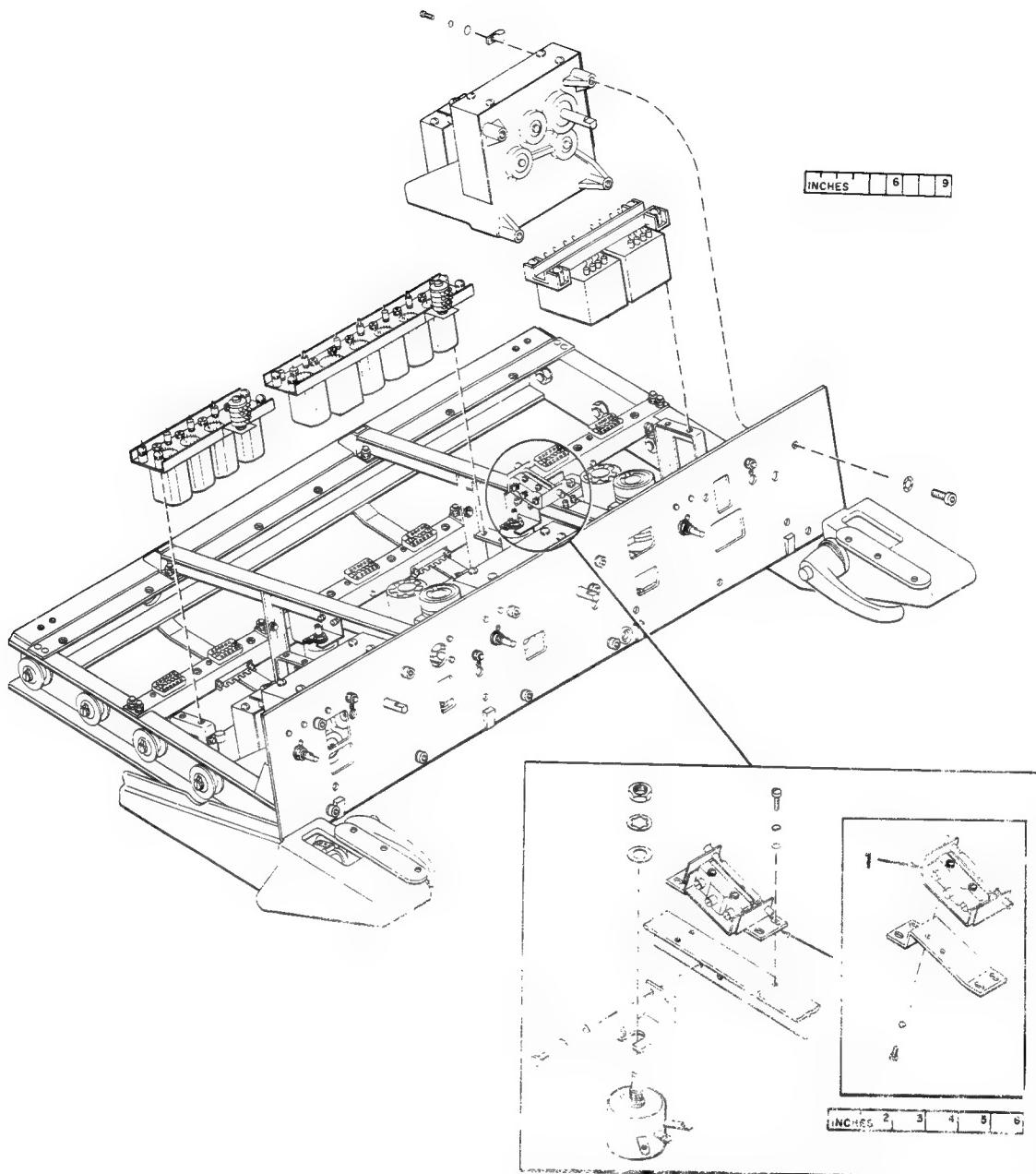
Figure 77. Amplifier, electronic control (8517364) - partial exploded view



ORD G78614

1 AMPLIFIER 7614253
2 AMPLIFIER 9005495

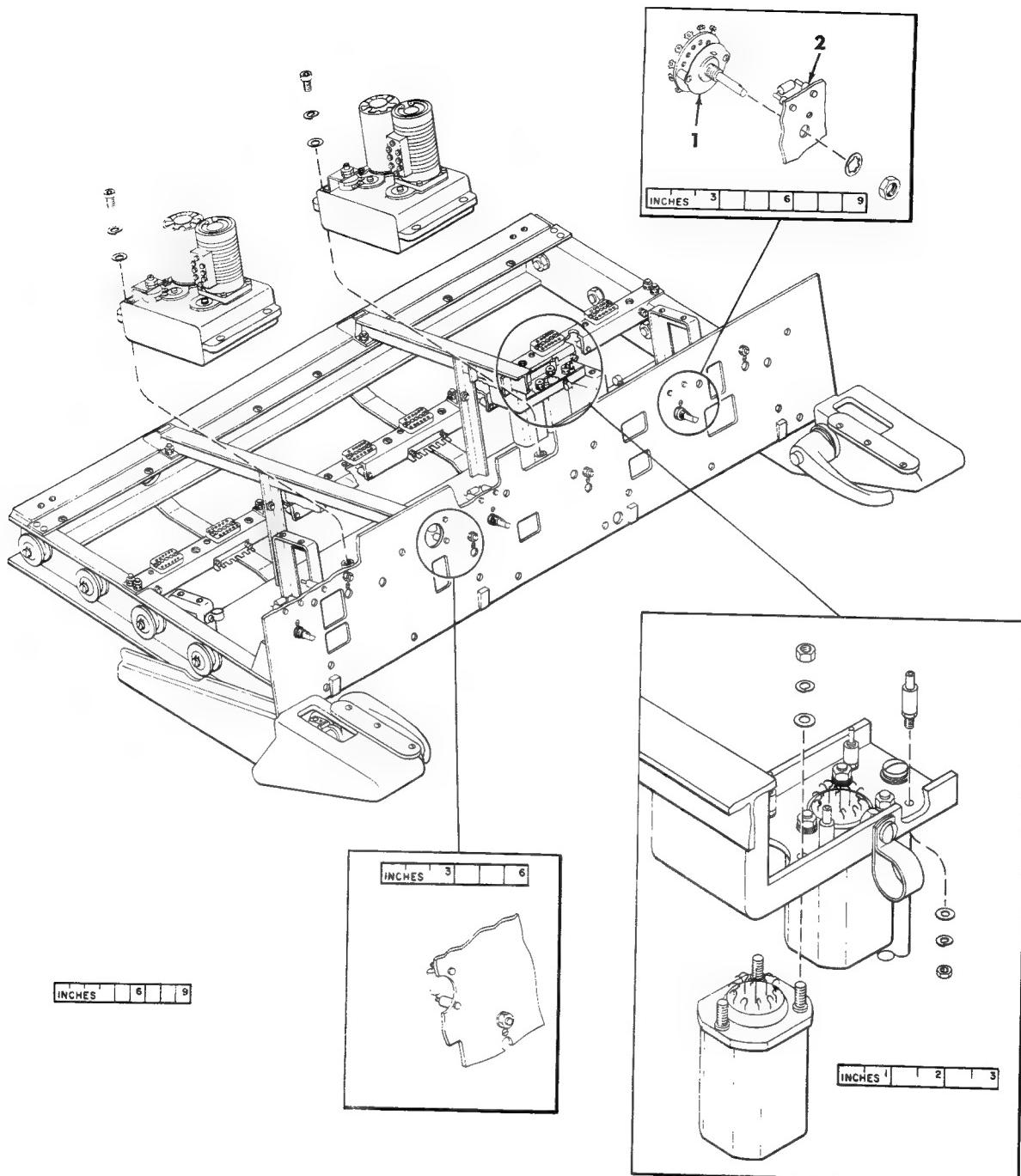
Figure 78. Control drawer, missile track (8511278) - partial exploded view



ORD C084*84

1 SWITCH 7602749

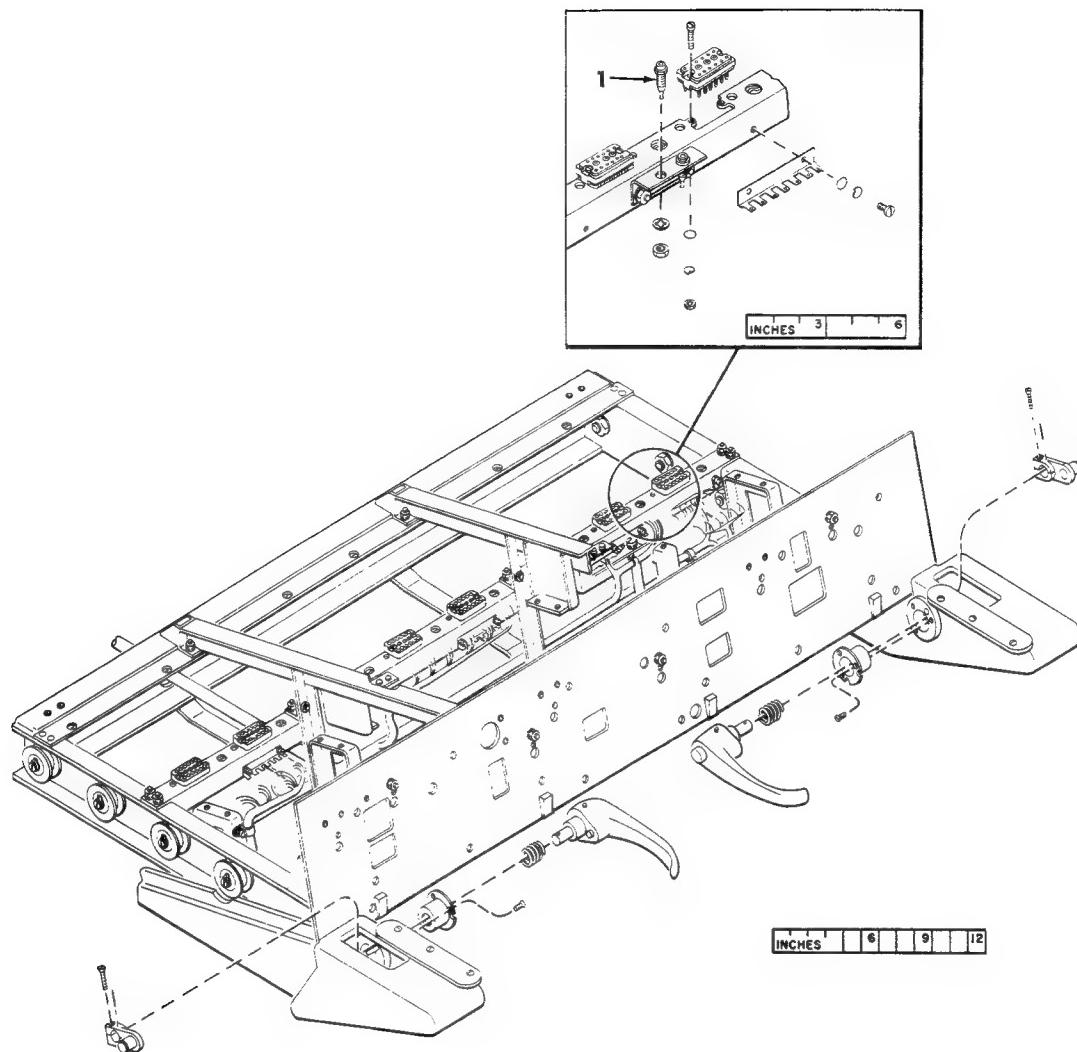
Figure 79. Control drawer, missile track (8511278)—partial exploded view



ORD G259942

1 SWITCH 8511693
 2 TERMINAL 7598949

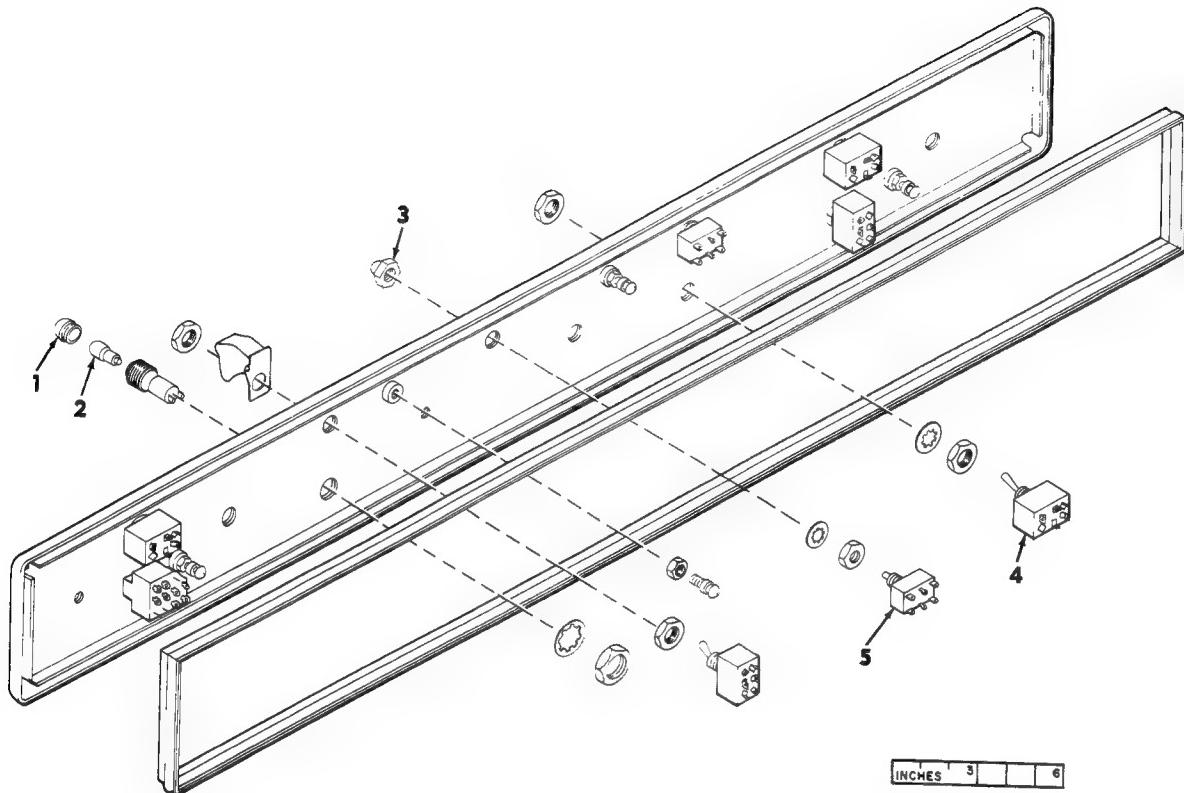
Figure 80. Control drawer, missile track (8511278)–partial exploded view



ORD G259943

1 JACK 8175214

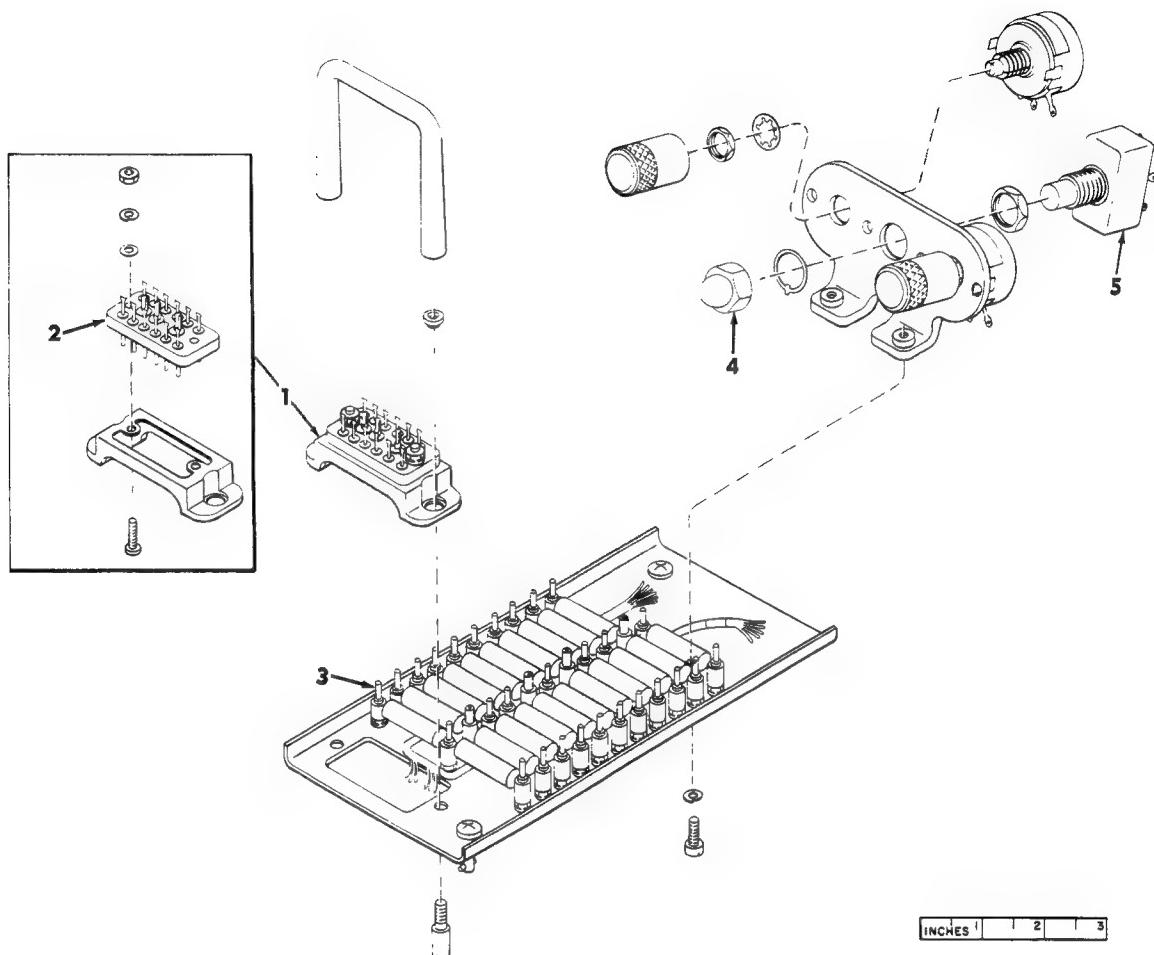
Figure 81. Control drawer, missile track (8511278) – partial exploded view



ORD G284185

- 1 LENS 8328096
- 2 LAMP MS-25231-1819
- 3 BOOT 9017174
- 4 SWITCH MS-35059-26
- 5 SWITCH 9000695

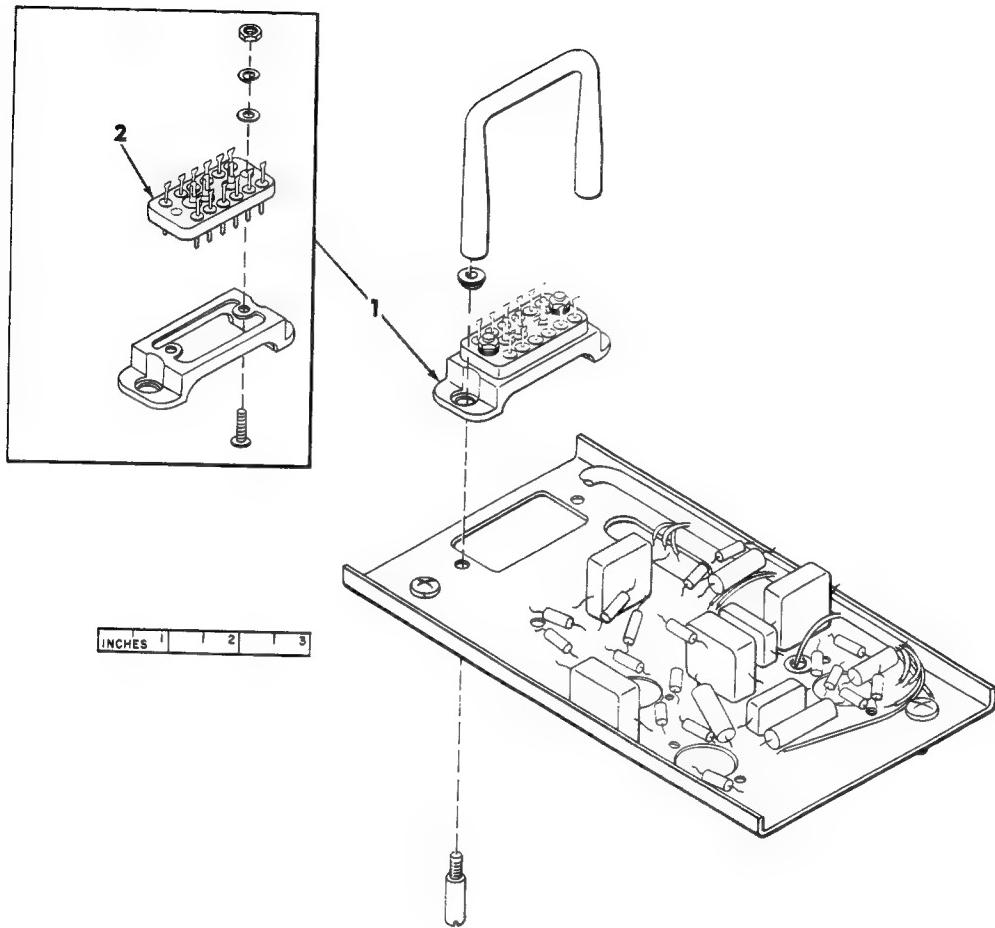
Figure 82. Switch assembly, telephone connecting (9005424)—exploded view



ORD G259945

- | | | |
|---|-----------|---------|
| 1 | CONNECTOR | 7598051 |
| 2 | CONNECTOR | 7598934 |
| 3 | TERMINAL | 7598949 |
| 4 | BOOT | 9017174 |
| 5 | SWITCH | 9000695 |

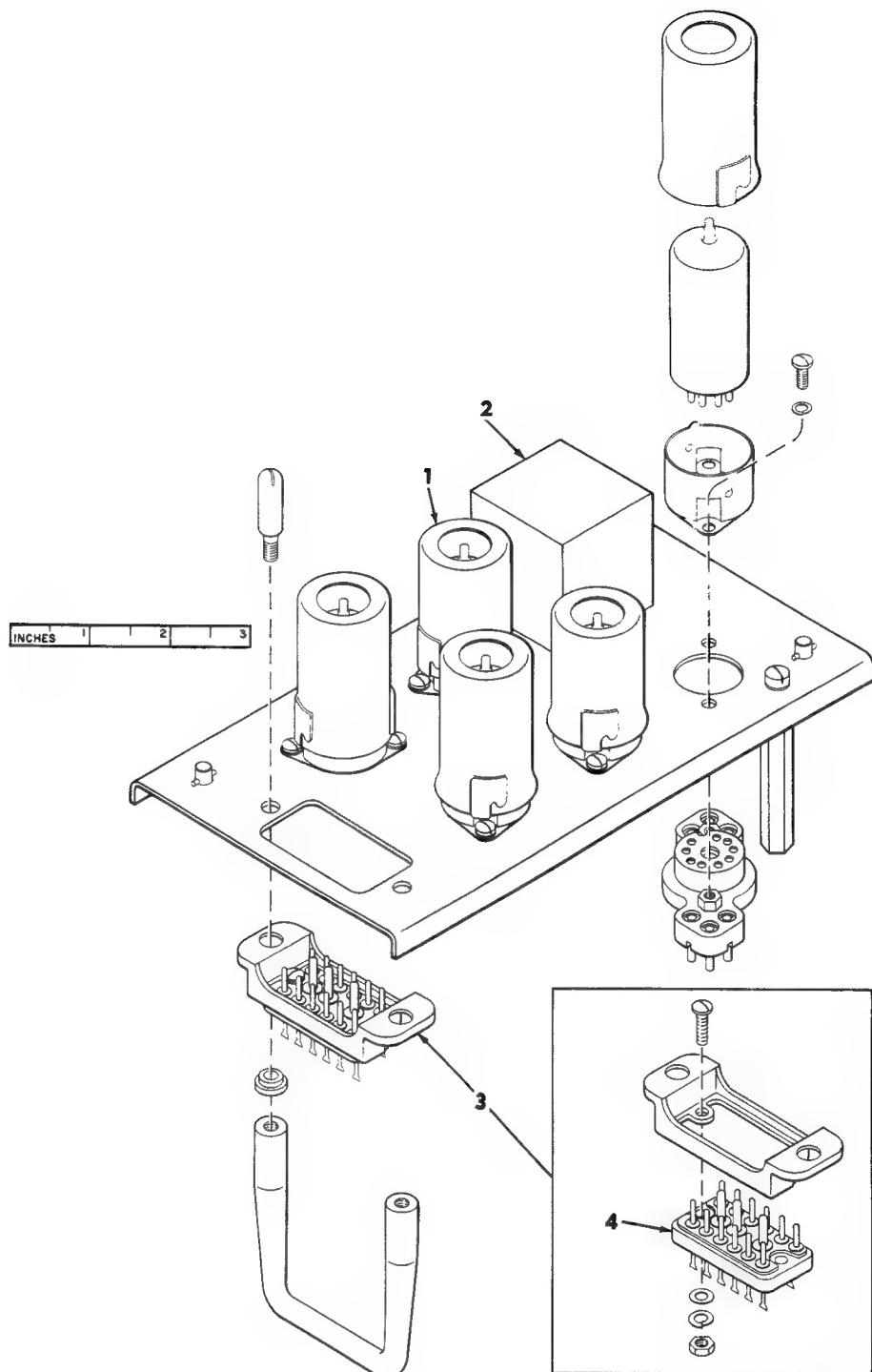
Figure 83. Range indicator subassembly (9980113)—exploded view



ORD G259946

1 CONNECTOR 7598051
2 CONNECTOR 7598934

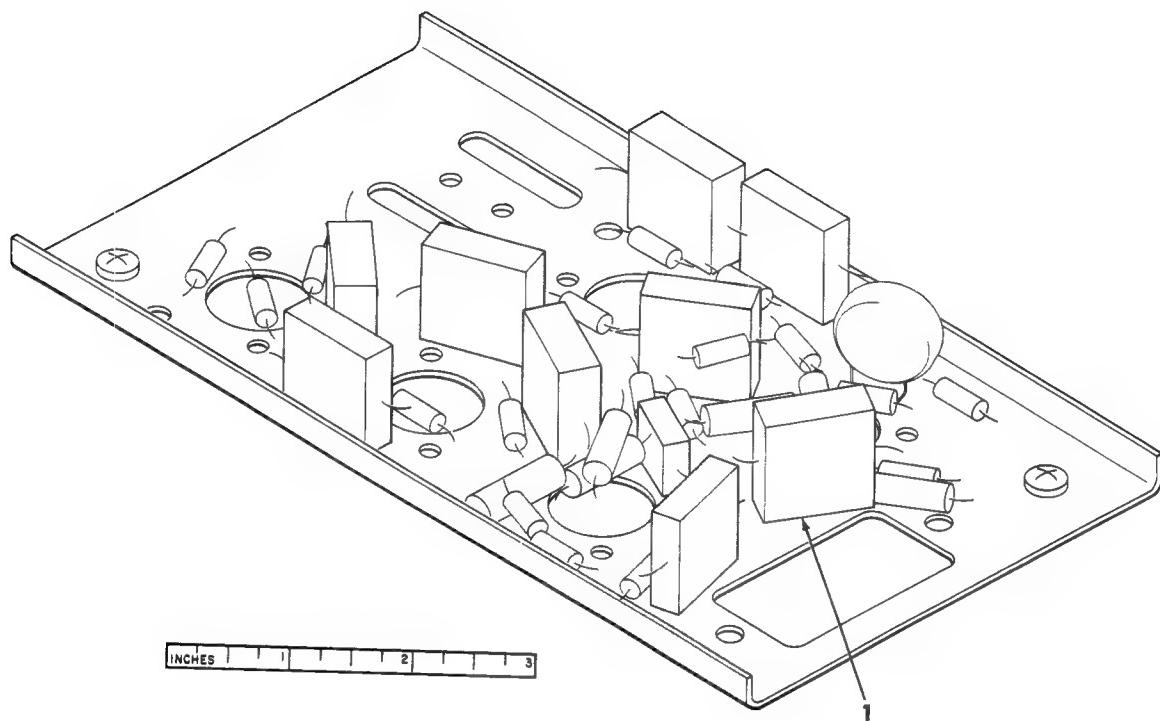
Figure 84. Amplifier, electronic control AM-1056/M (7614253)—exploded view



ORD G284186

- 1 ELECTRON TUBE 5670
- 2 TRANSFORMER 8515008
- 3 CONNECTOR 7598051
- 4 CONNECTOR 7598934

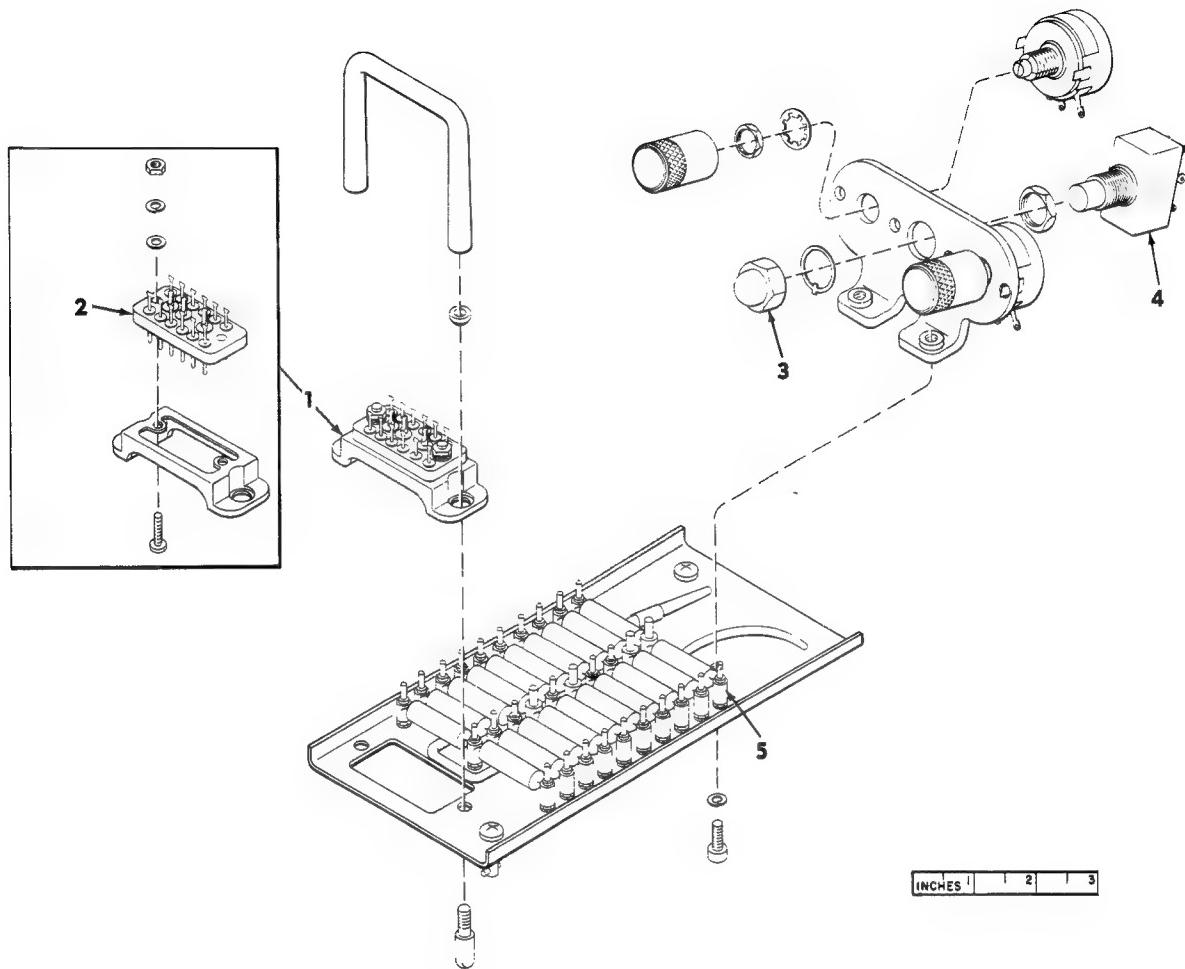
Figure 85. Amplifier, electronic control (9005495)—partial exploded view



ORD G284187

1 CAPACITOR CM35E103J

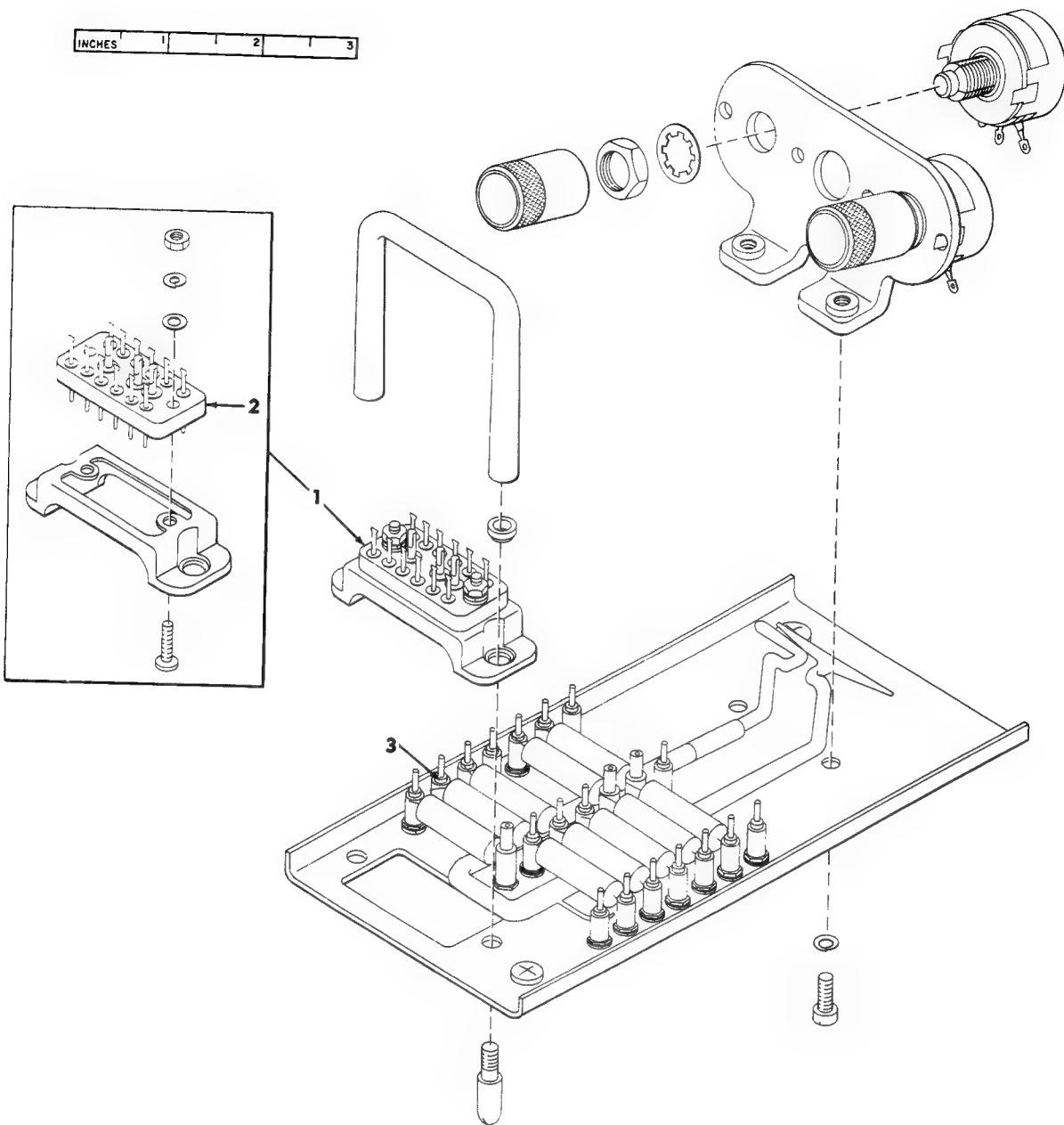
Figure 86. Amplifier, electronic control (9005495) - partial exploded view



ORD G259948

- | |
|--|
| 1 CONNECTOR 7598051
2 CONNECTOR 7598934
3 BOOT 9017174
4 SWITCH 9000695
5 TERMINAL 7598949 |
|--|

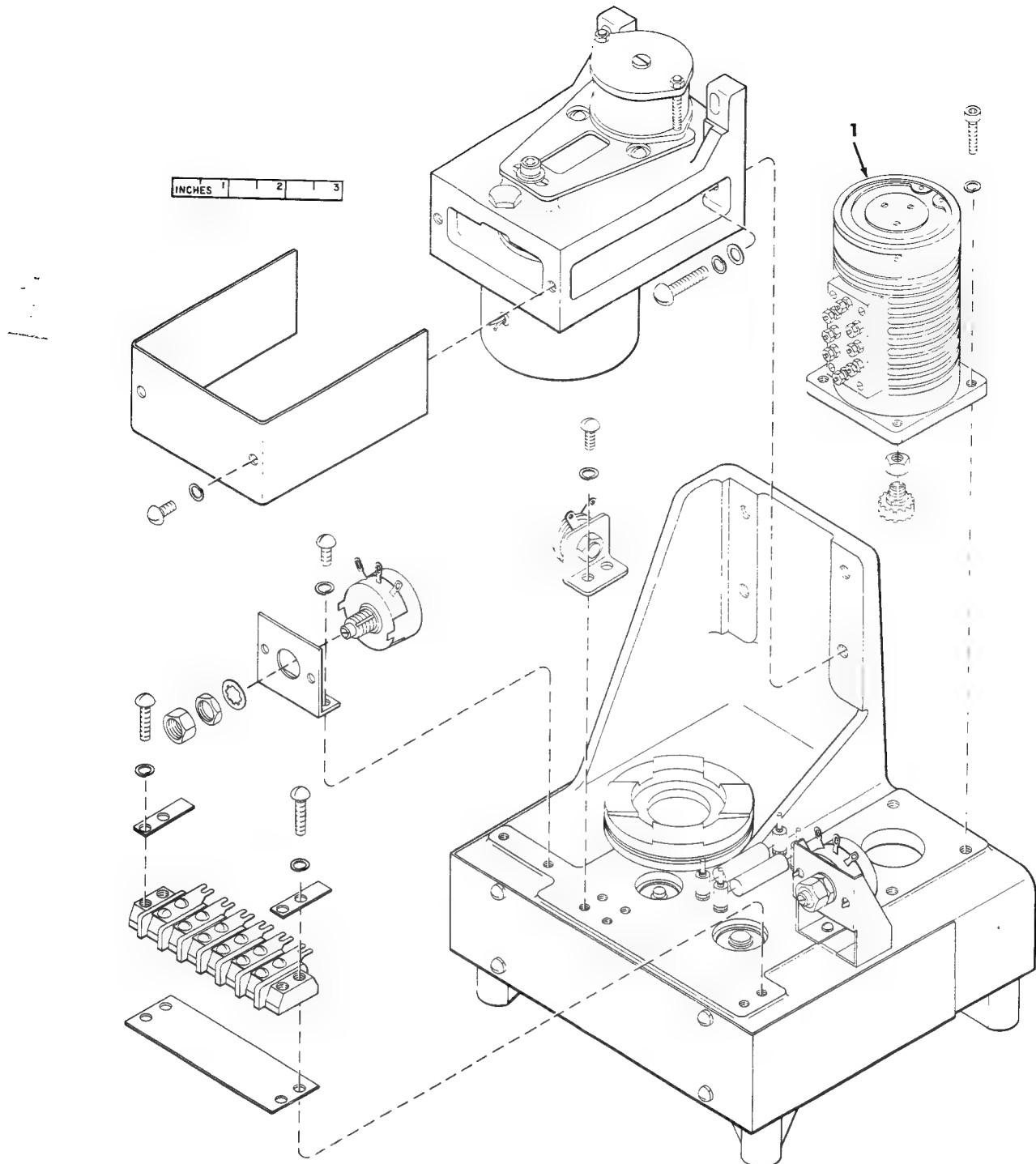
Figure 87. Range indicator subassembly (9980112)—exploded view



ORD G259949

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 TERMINAL 7598949

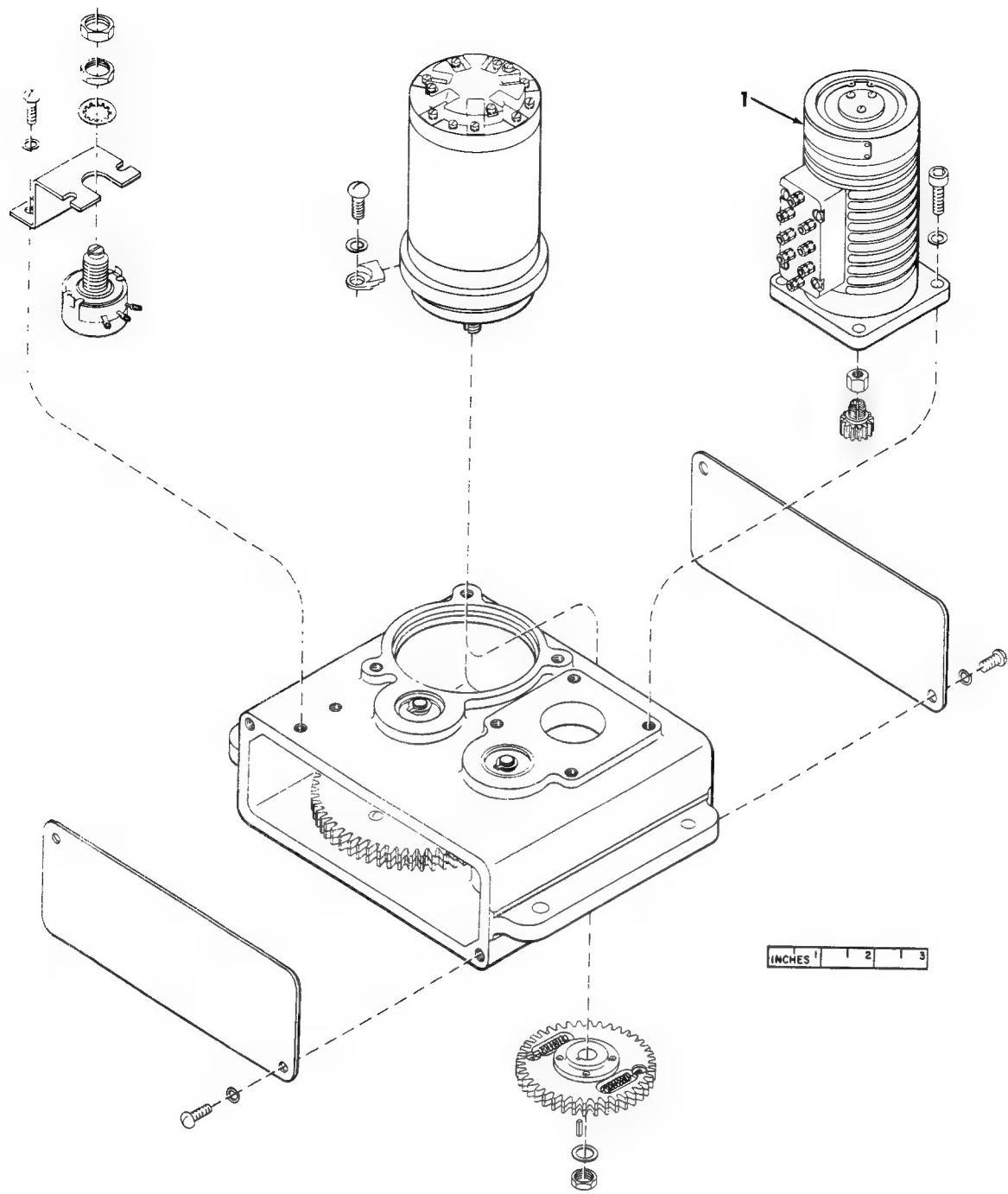
Figure 88. Resistor assembly (8513380)—exploded view



ORD G284188

I MOTOR-GENERATOR 7605334

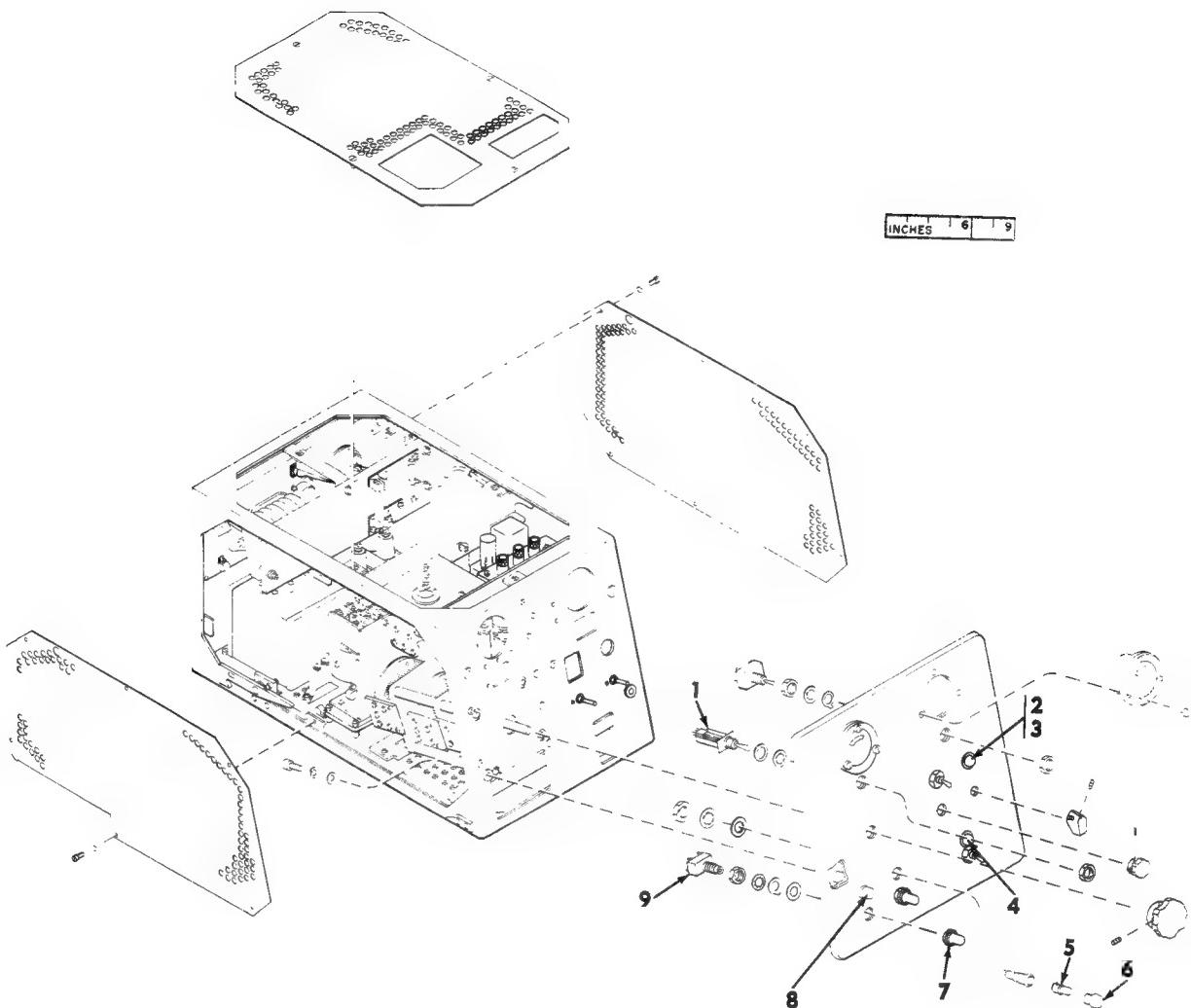
Figure 89. Control, antenna C-1469/M (7621540)—exploded view



ORD G284189

1 MOTOR-GENERATOR 7605334

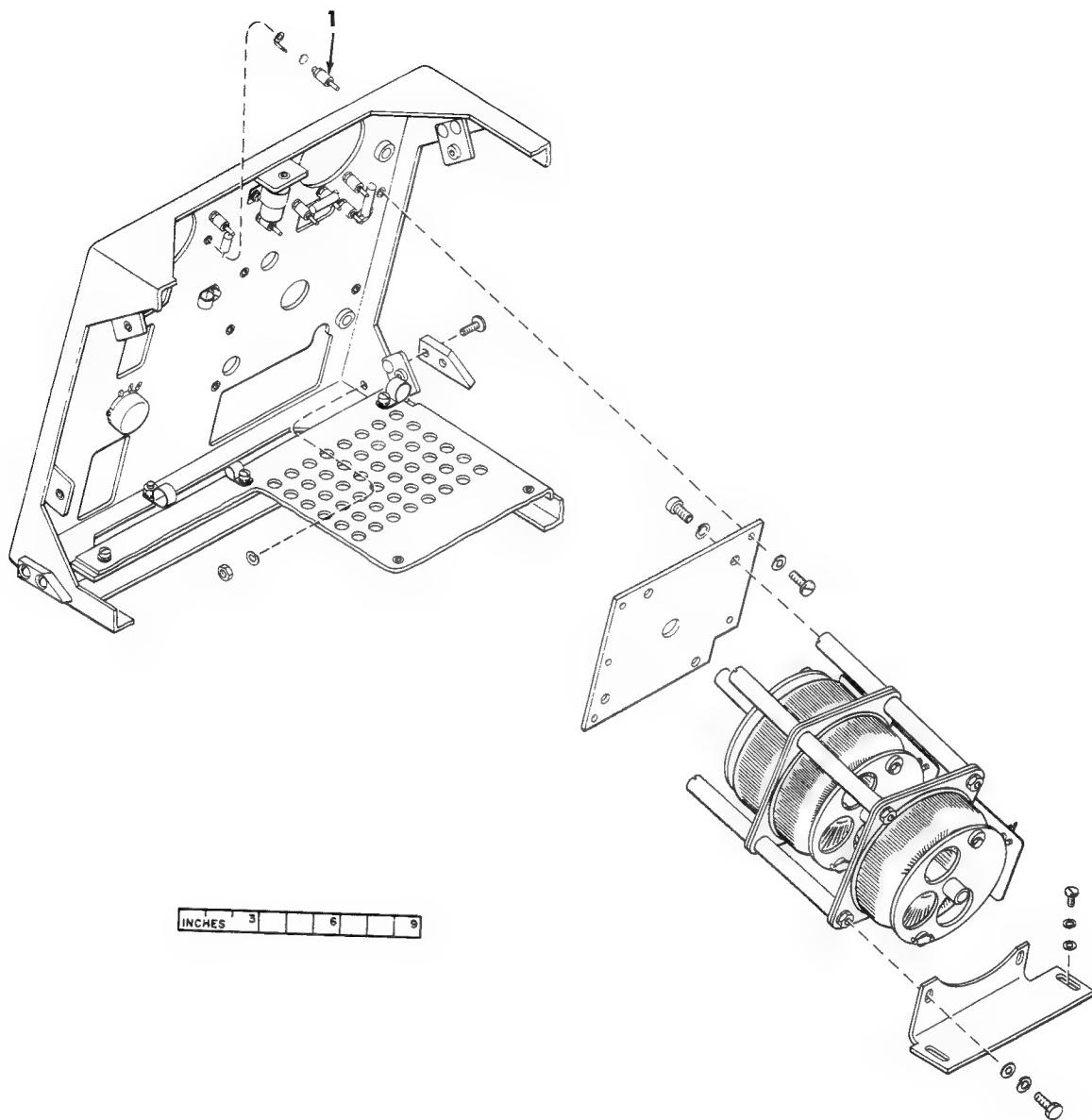
Figure 90. Control, antenna (7620500 and 7620662)—exploded view



ORD G284190

1 SWITCH 8175304	6 LENS 8328096
2 LENS 8175312	7 BOOT 9017174
3 LAMP MS-25231-1819	8 LENS 8175032
4 LENS 7600003	9 SWITCH 9000695
5 LAMP 7605718	

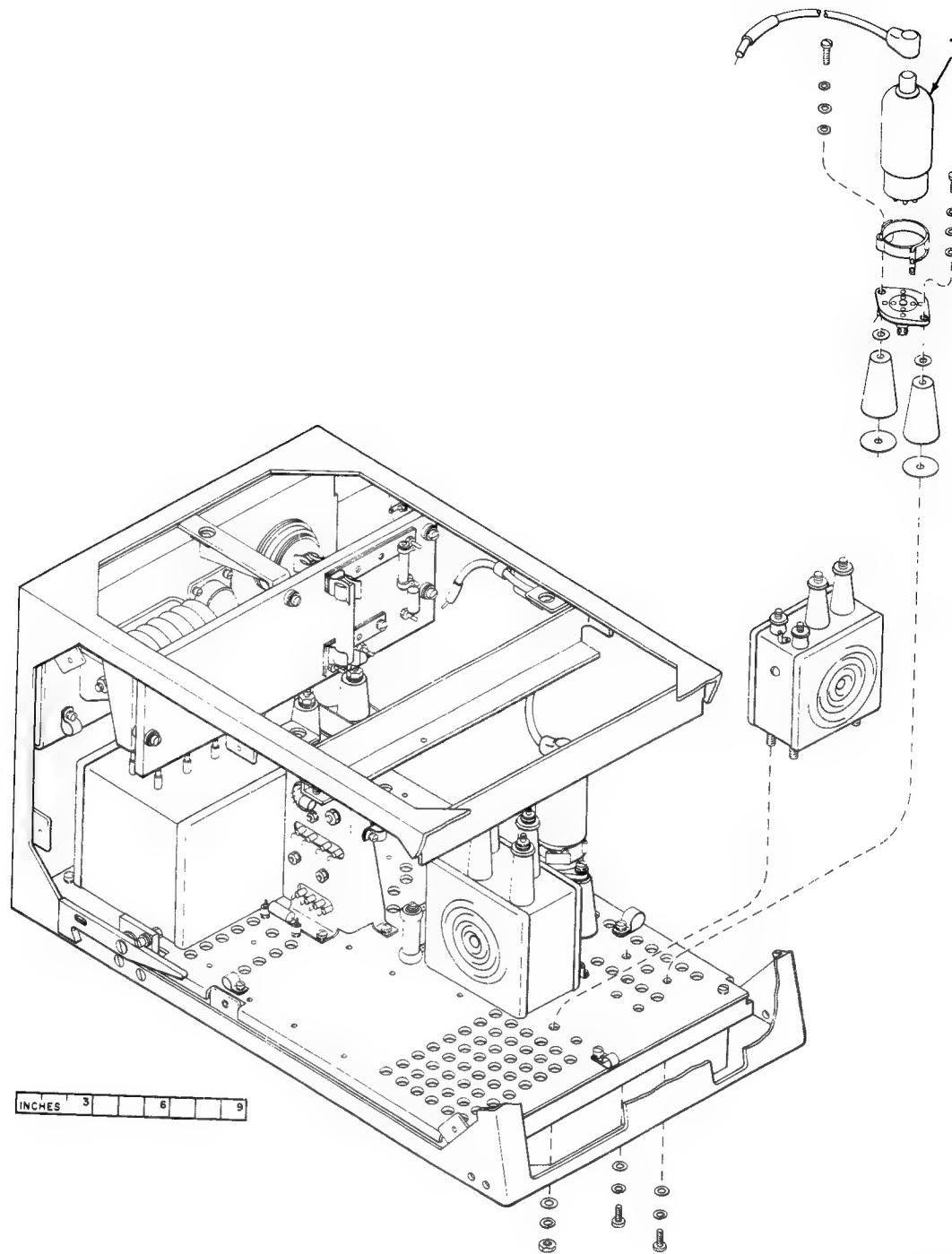
Figure 91. Power supply (9159938)—partial exploded view



ORD G259951

1 TERMINAL 7598949

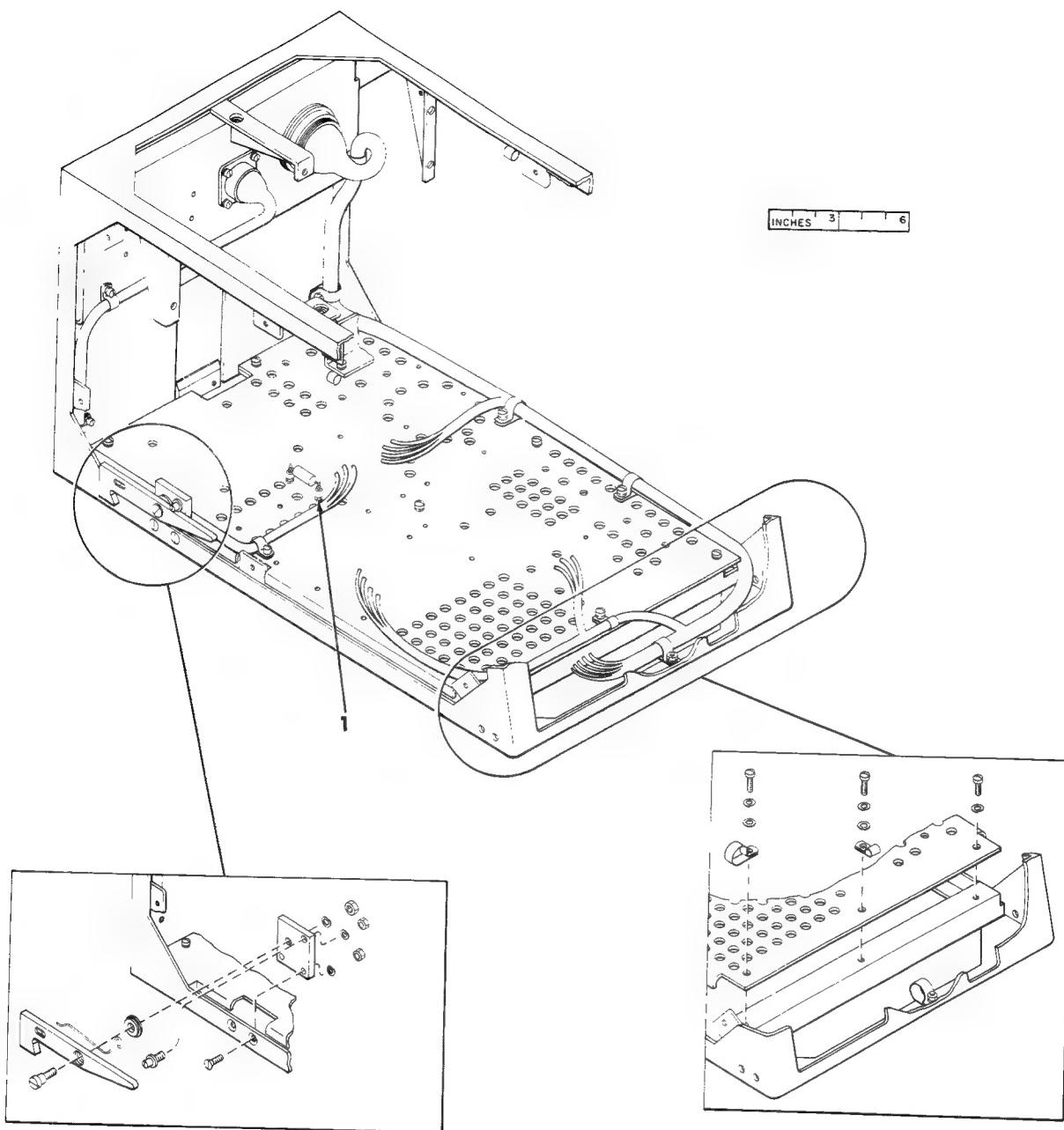
Figure 92. Power supply (9159938)—partial exploded view



ORD G78628

1 ELECTRON TUBE 3B24WA

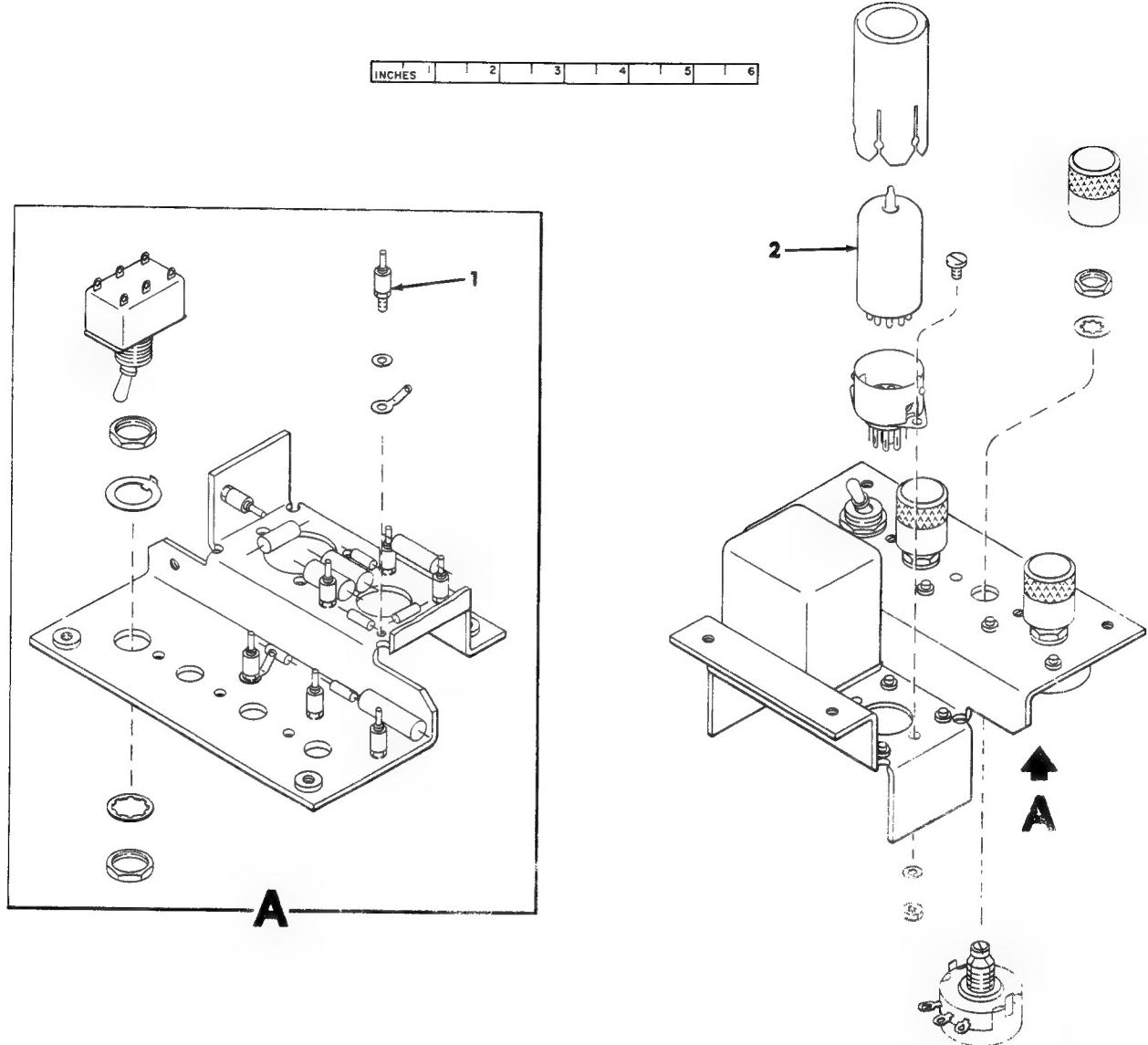
Figure 93. Power supply (9159938)-partial exploded view



ORD G259952

1 TERMINAL 7598949

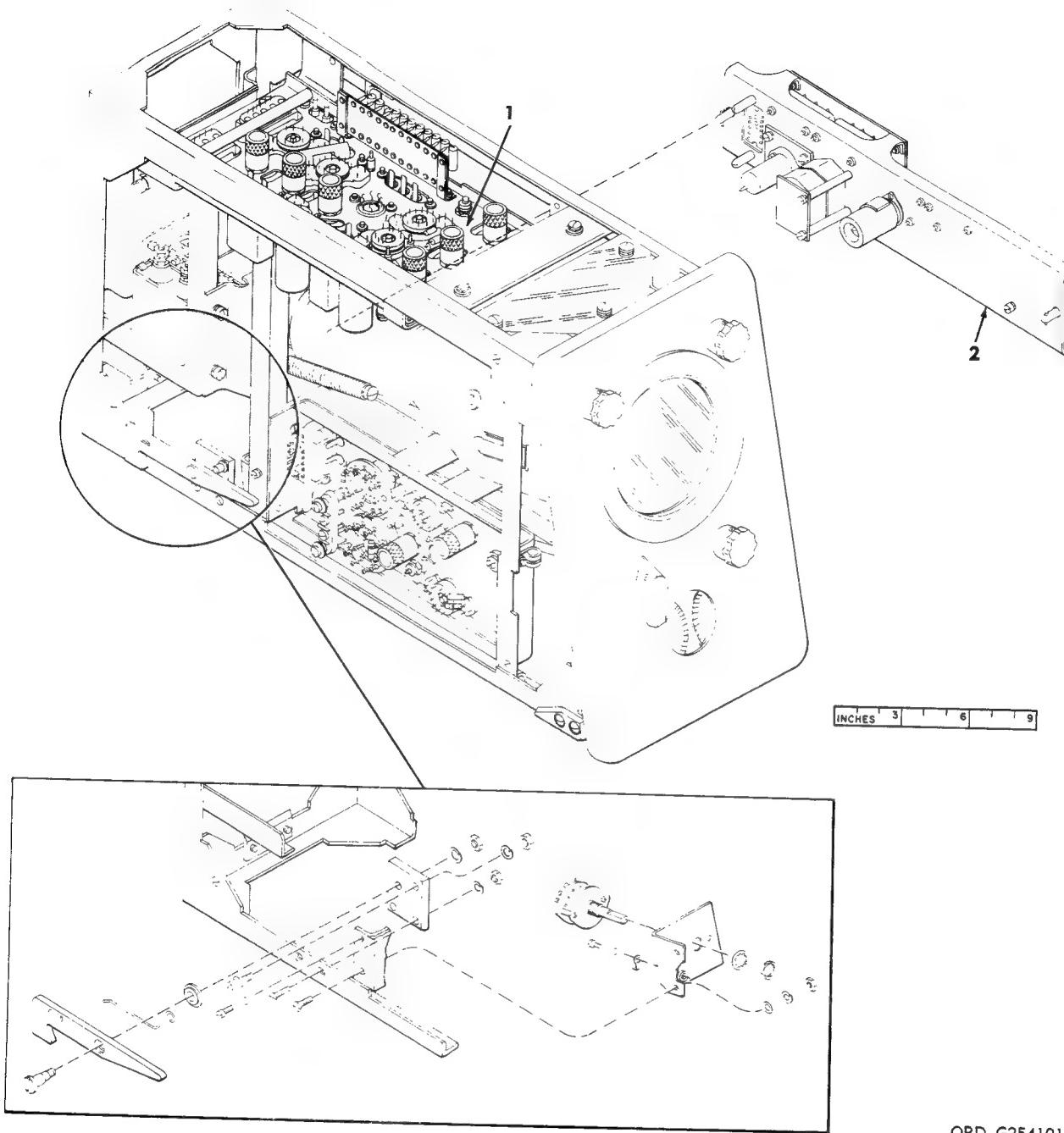
Figure 94. Power supply (9159938) - partial exploded view



ORD G284191

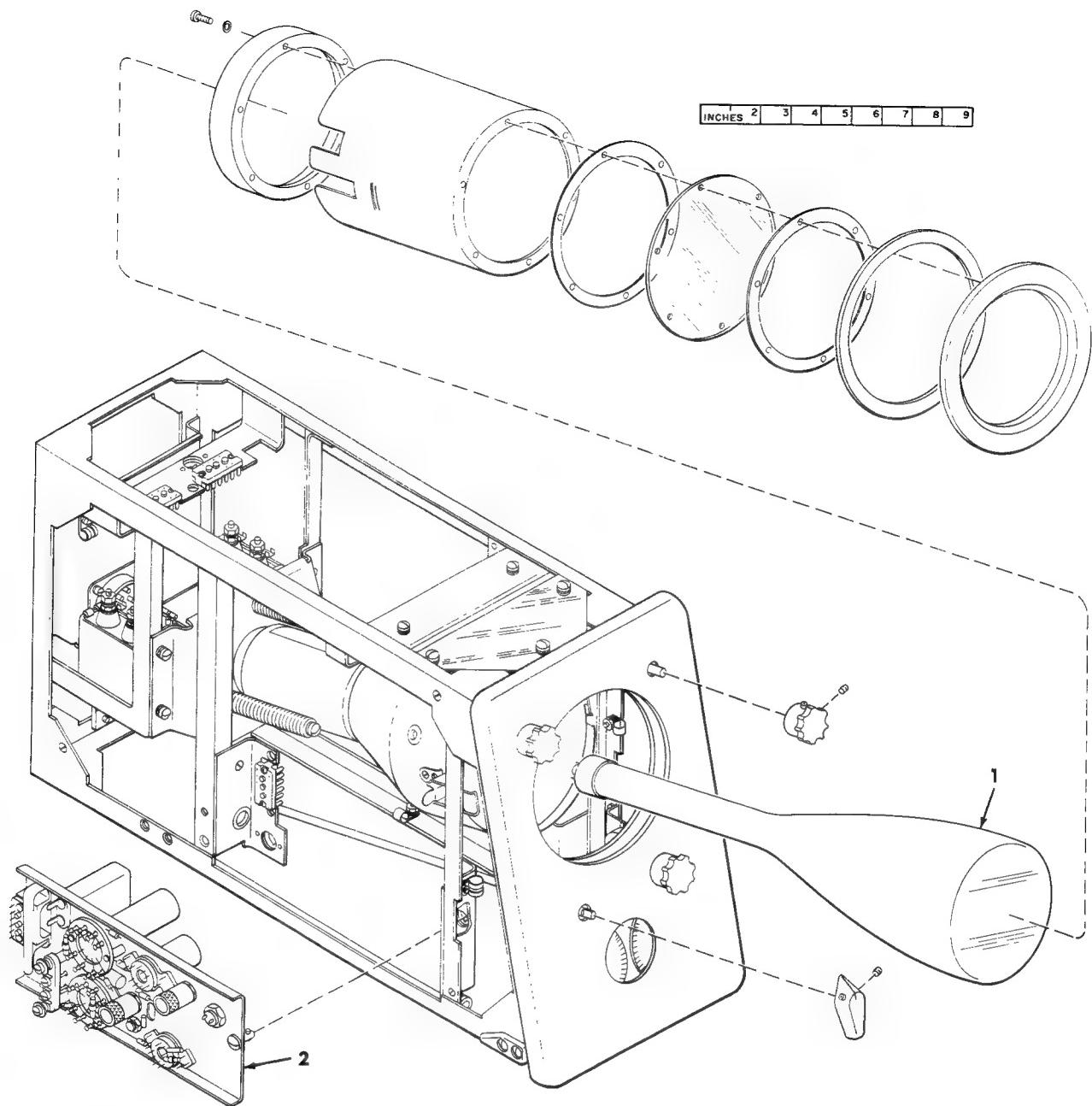
1 TERMINAL 7598949
2 ELECTRON TUBE 5814A

Figure 95. Amplifier, electronic control (9143325) - exploded view



1 GENERATOR 817237
2 AMPLIFIER 8171343

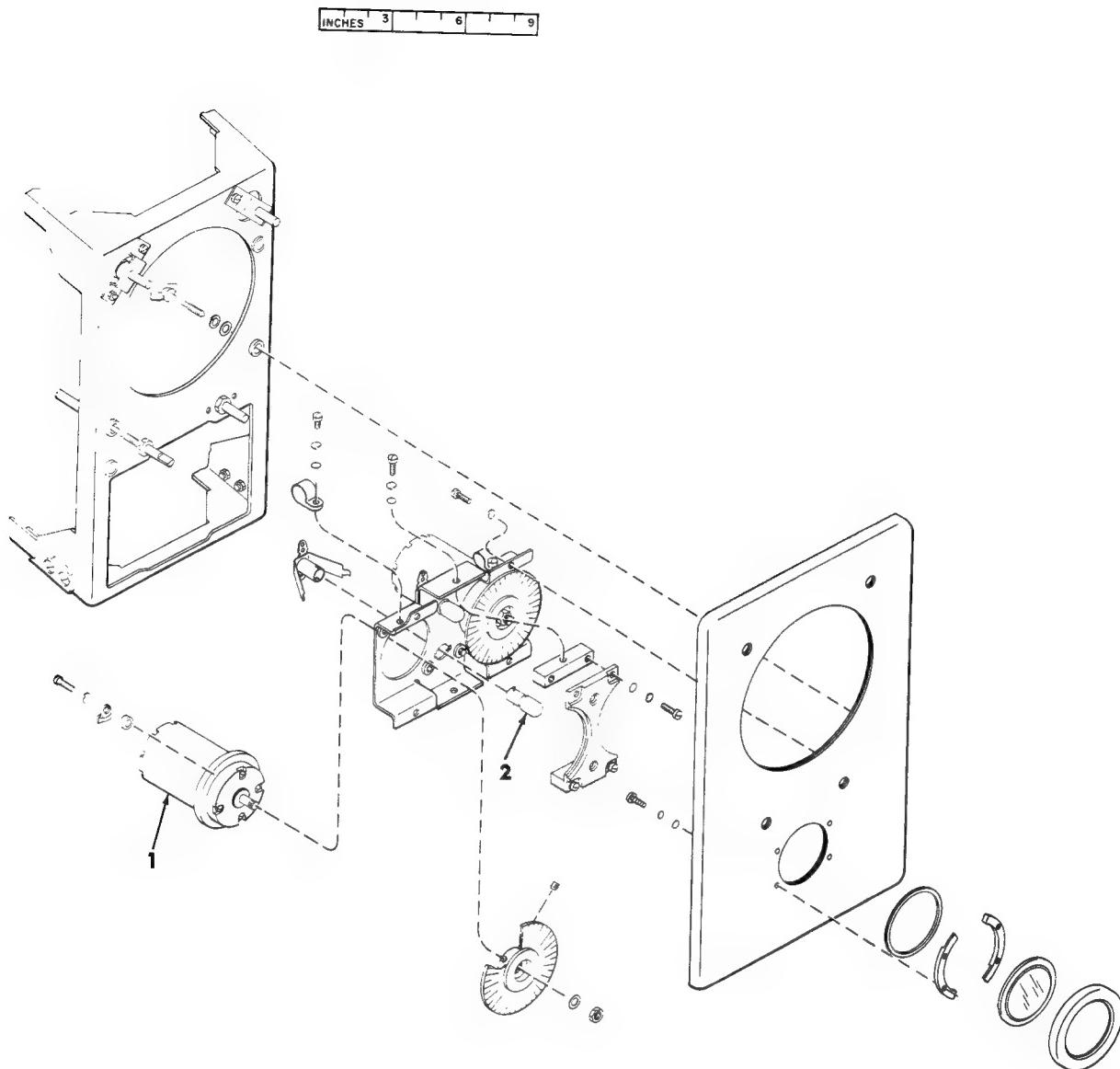
Figure 96. Indicator, range (8517432)—partial exploded view



ORD G78721

1 ELECTRON TUBE 5ADP1
 2 AMPLIFIER 8517446

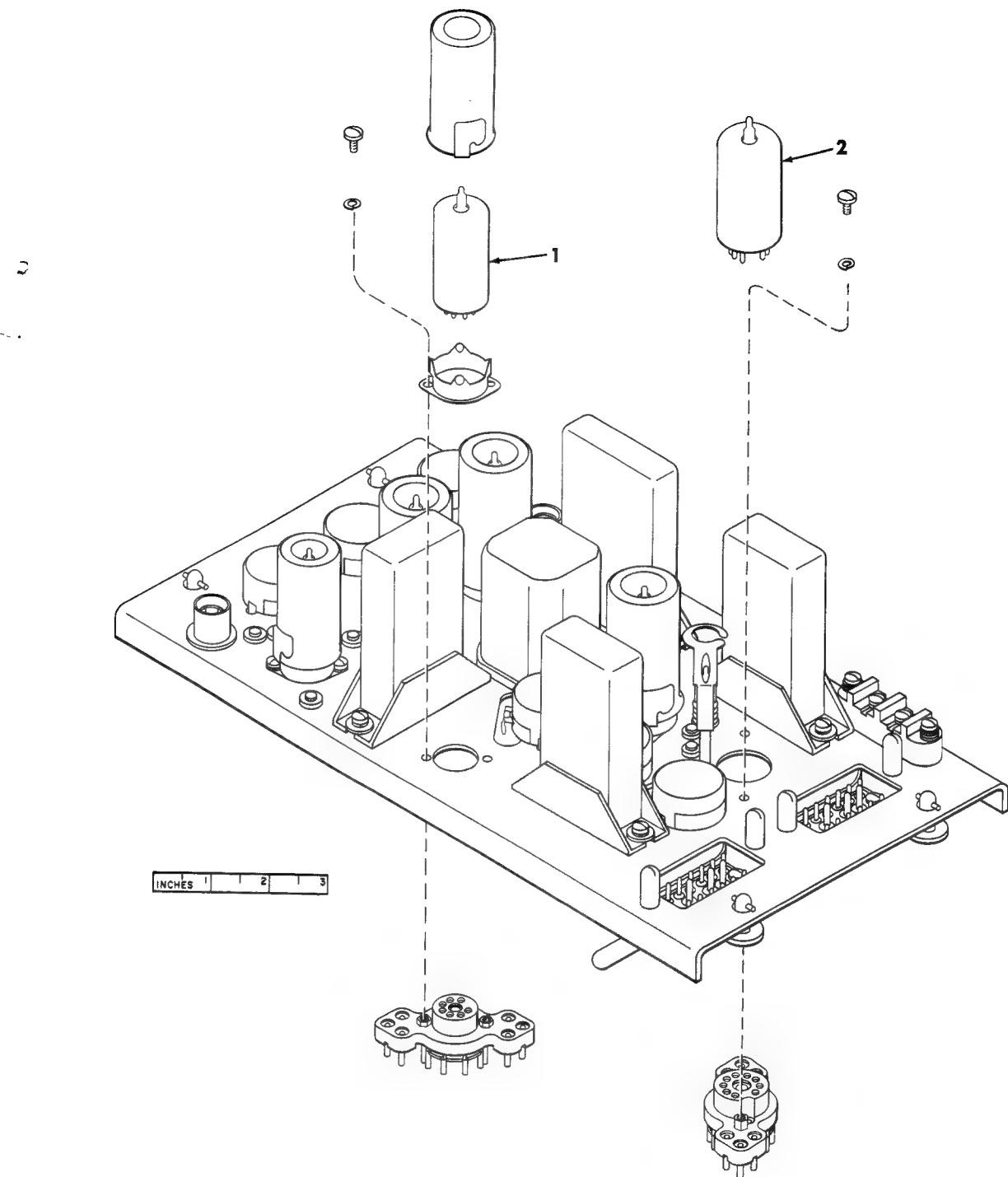
Figure 97. Indicator, range (8517432)—partial exploded view



ORD G284192

1 SYNCHRO 7674819
2 LAMP MS-15571-2

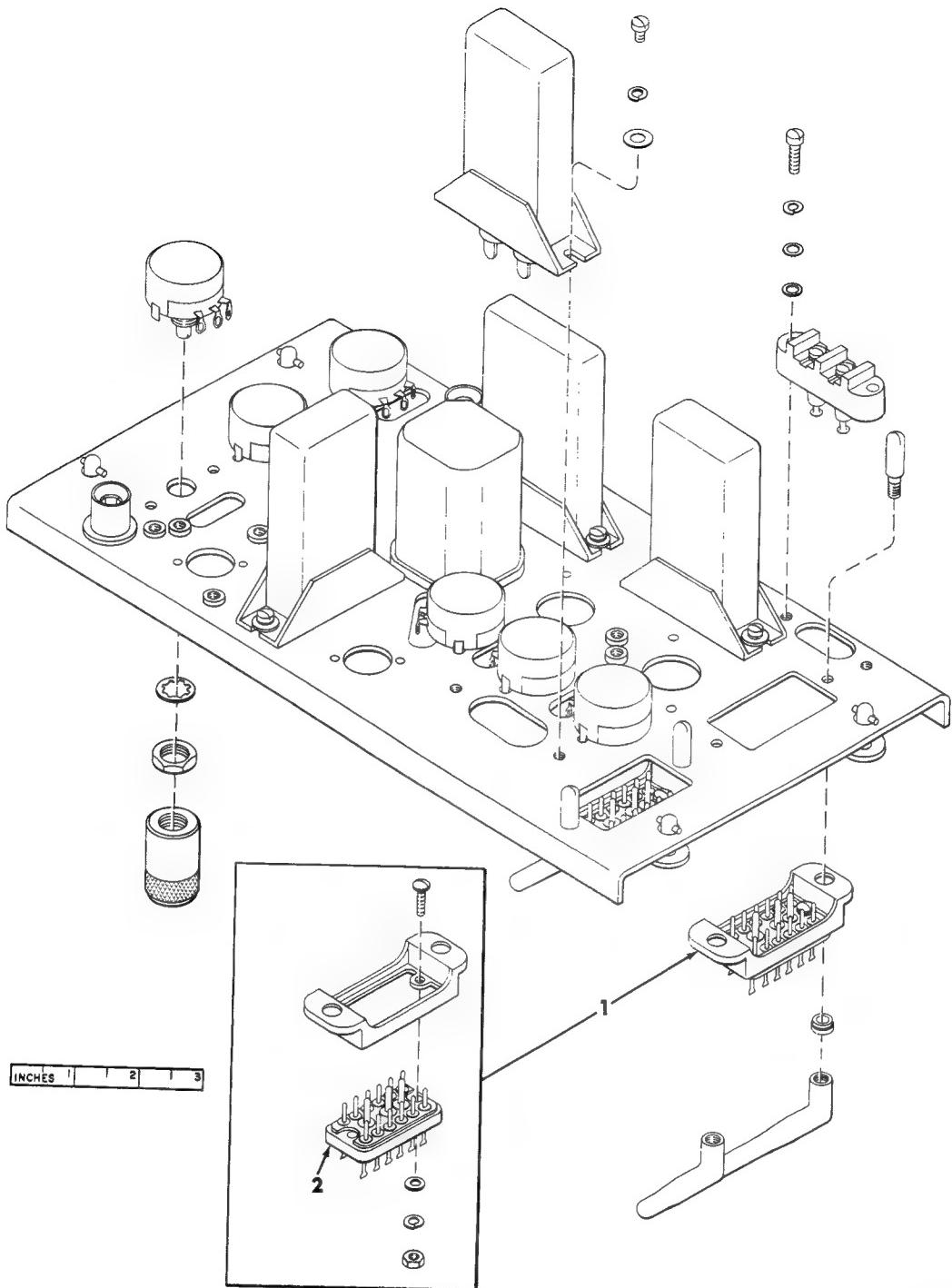
Figure 98. Indicator, range (8517432) - partial exploded view



ORD G284193

1 ELECTRON TUBE 6AH6
 2 ELECTRON TUBE 5687WA

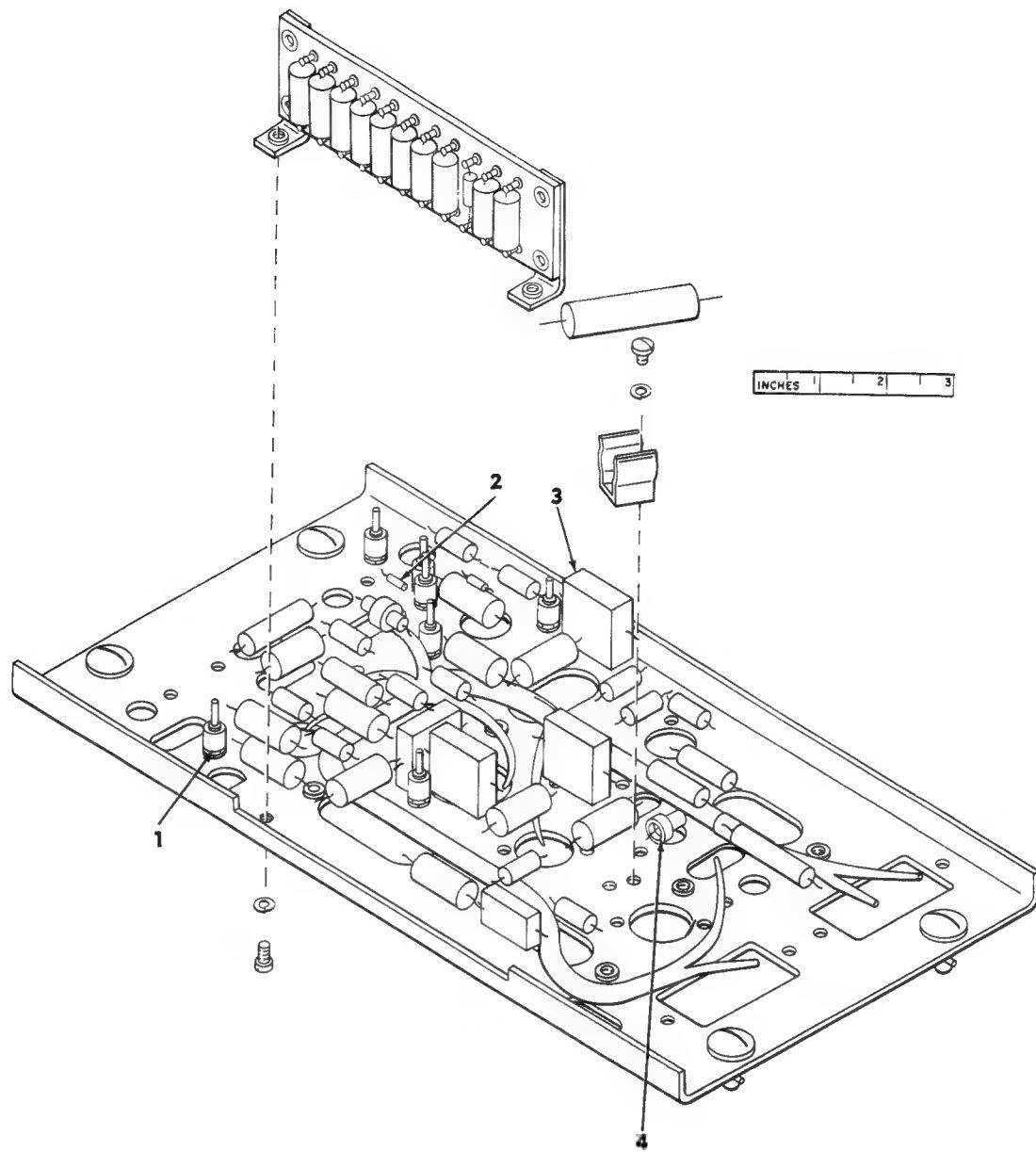
Figure 99. Generator, sweep 0-475/MPA (8172375)—partial exploded view



1 CONNECTOR 7598051
2 CONNECTOR 7598934

ORD G259953

Figure 100. Generator, sweep 0-475/MPA (8172375) – partial exploded view

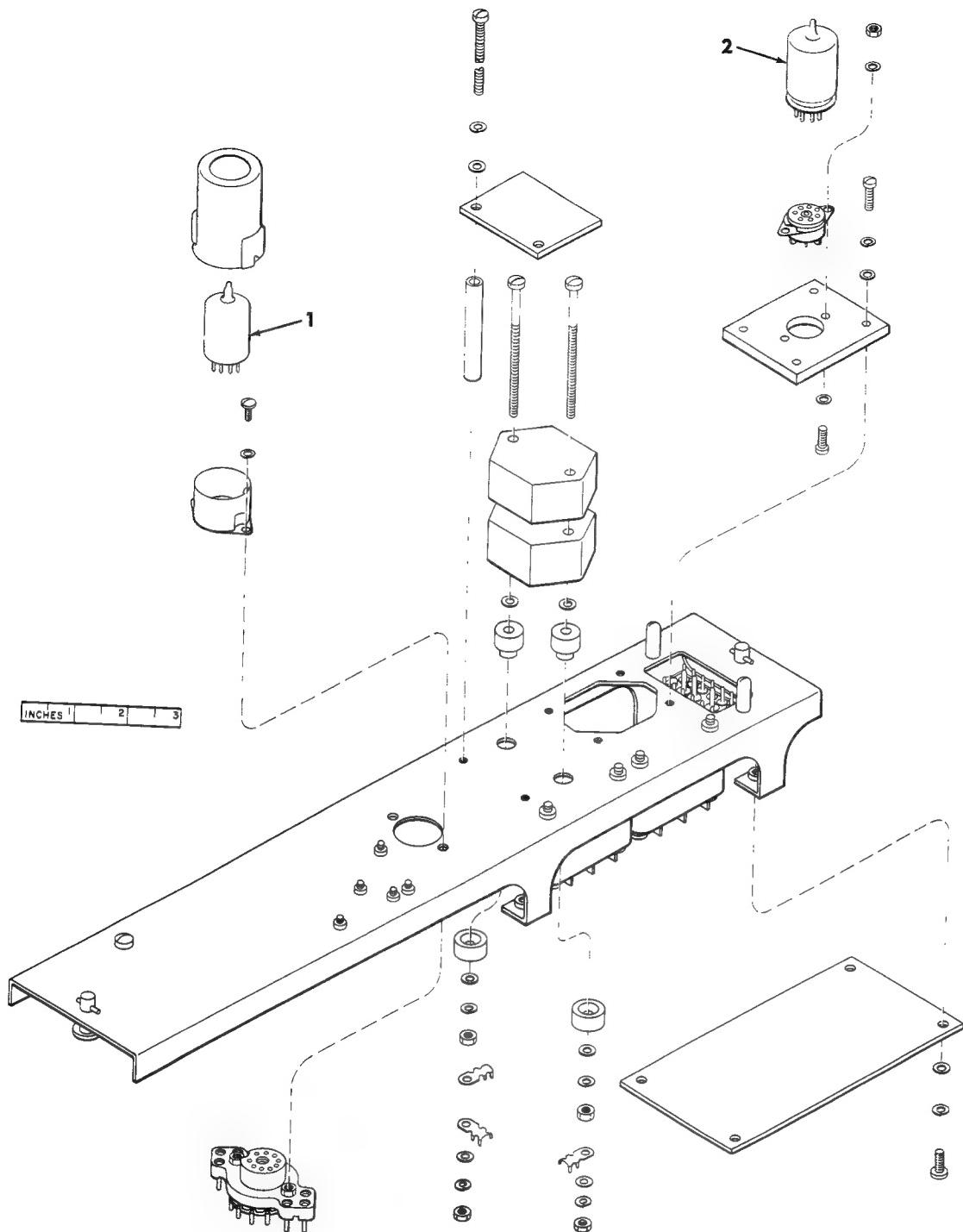


ORD G284194

1 TERMINAL 7598949
 2 SEMICONDUCTOR DEVICE
 IN198

3 CAPACITOR CM35E103J
 4 CAPACITOR 8023439

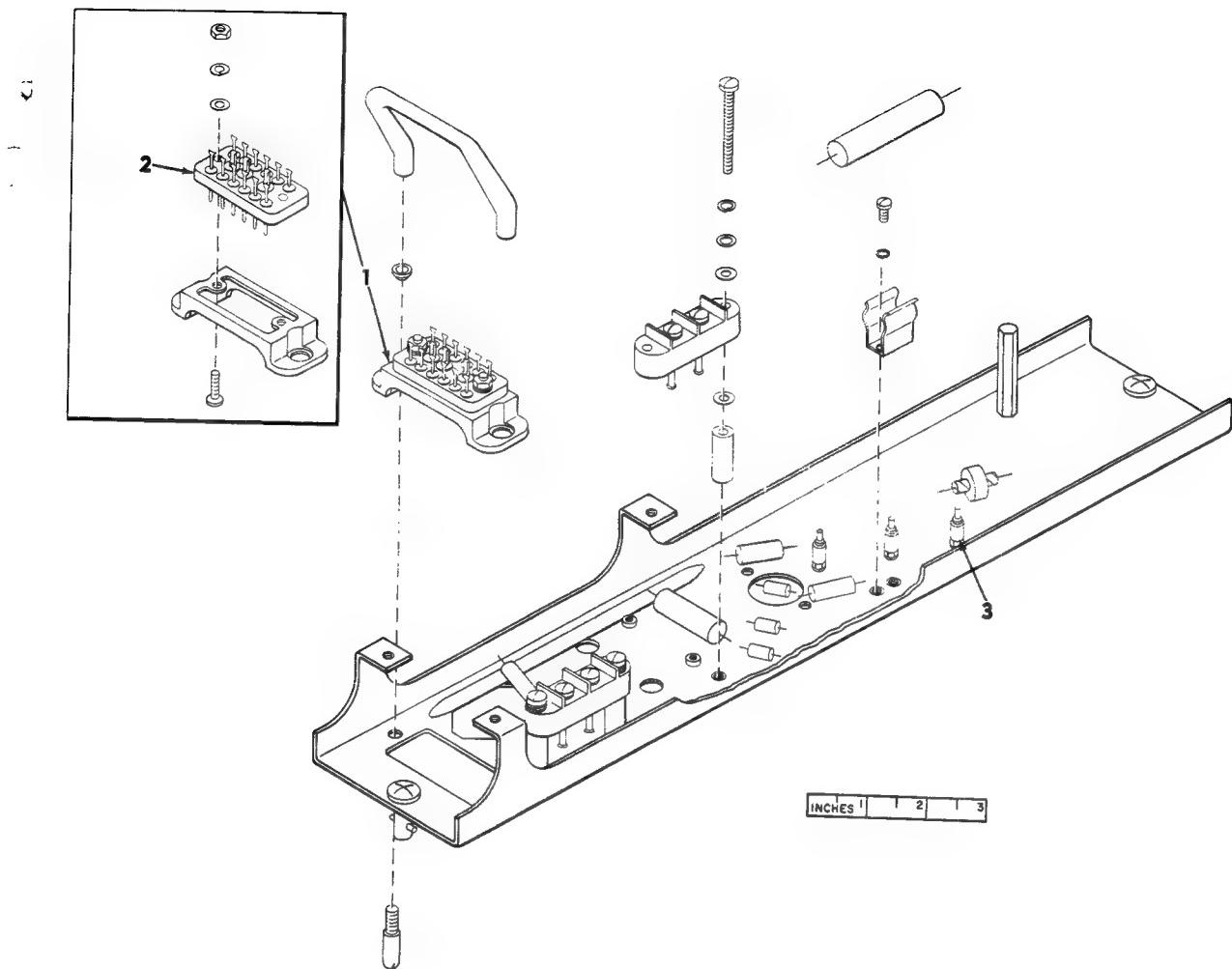
Figure 101. Generator, sweep 0-475/MPA (8172375)—partial exploded view



ORD G284195

1 ELECTRON TUBE 567C
 2 ELECTRON TUBE 5726/6AL5W

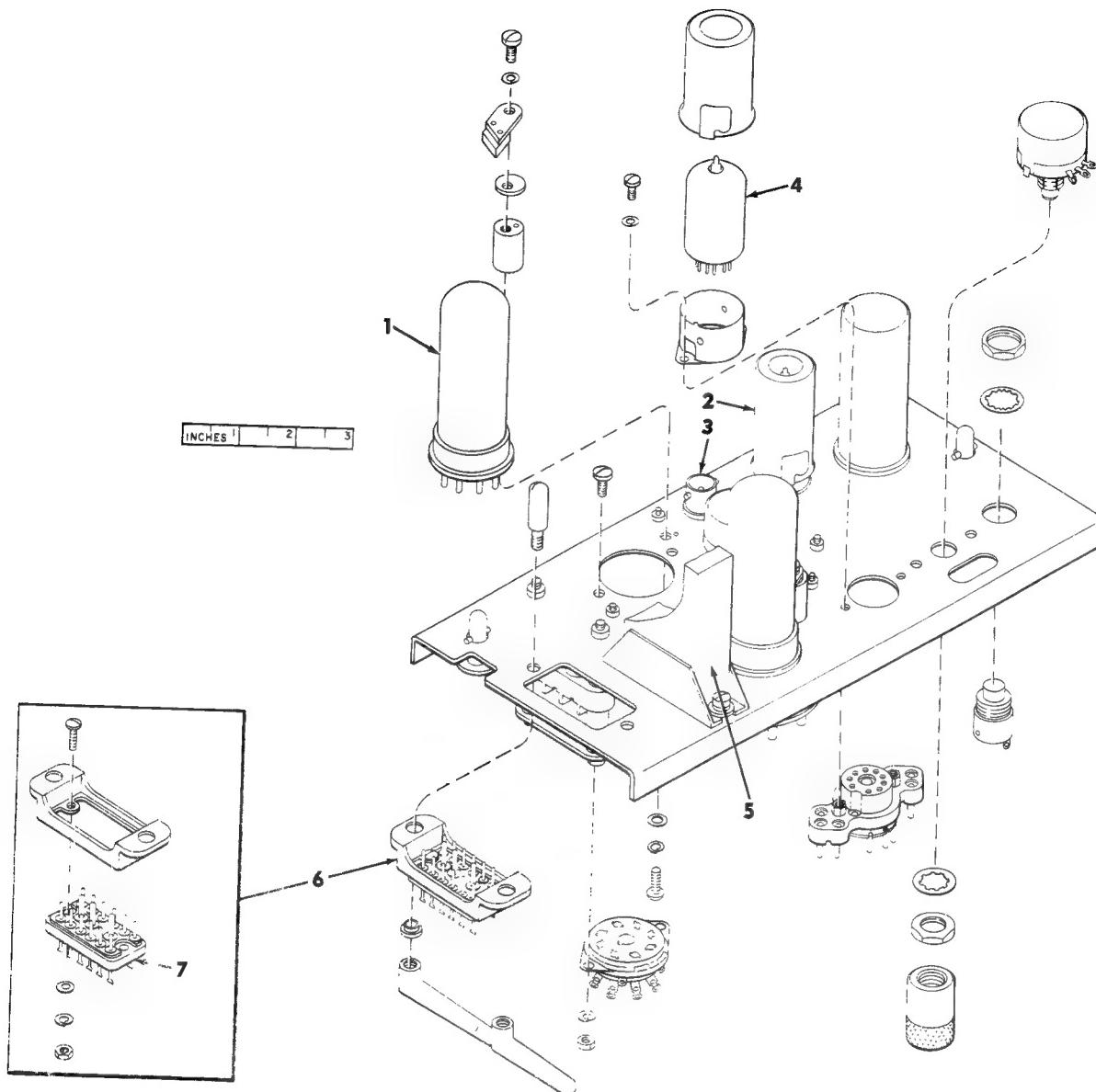
Figure 102. Amplifier, electronic control AM-1077/M (8171393)—partial exploded view



ORD G259955

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 TERMINAL 7598949

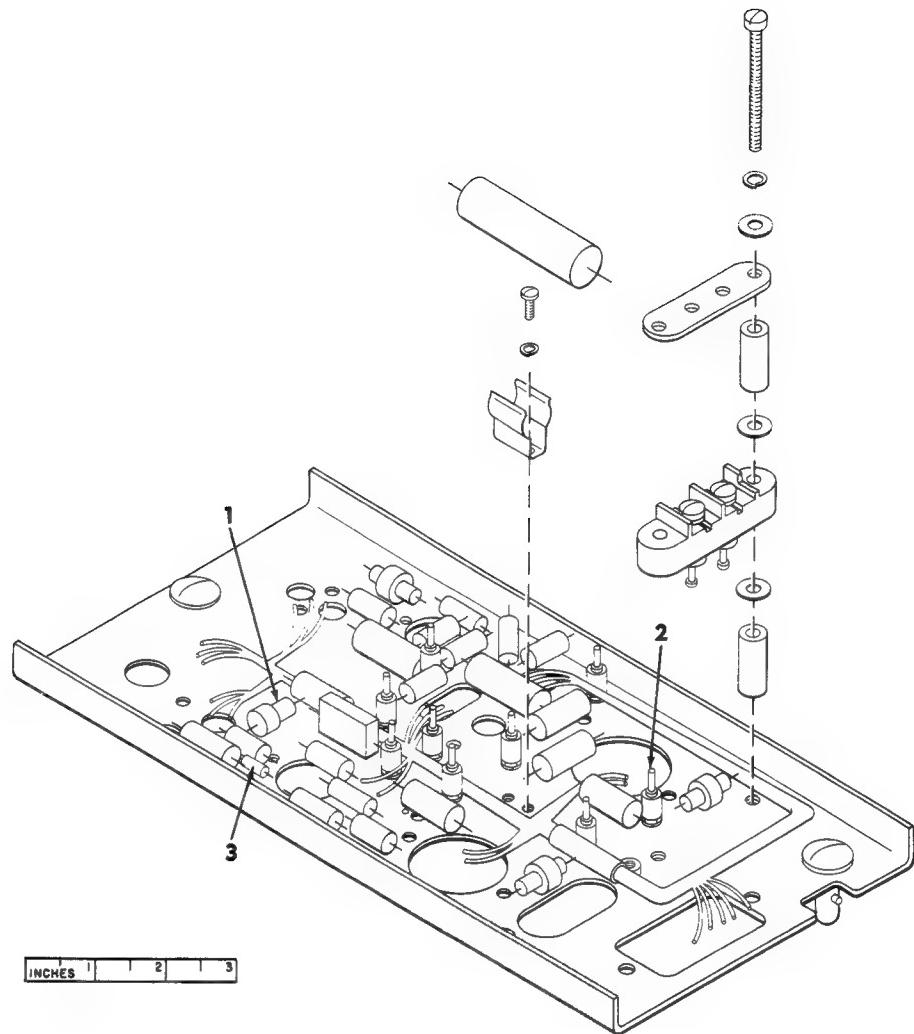
Figure 103. Amplifier, electronic control AM-1077/M (8171393)—partial exploded view



- 1 ELECTRON TUBE 6AG7Y
- 2 ELECTRON TUBE 6AH6
- 3 CONNECTOR MS-27035-6258
- 4 ELECTRON TUBE 5670
- 5 CAPACITOR CP6581EE105K1
- 6 CONNECTOR 7598051
- 7 CONNECTOR 7598934

ORD G284196

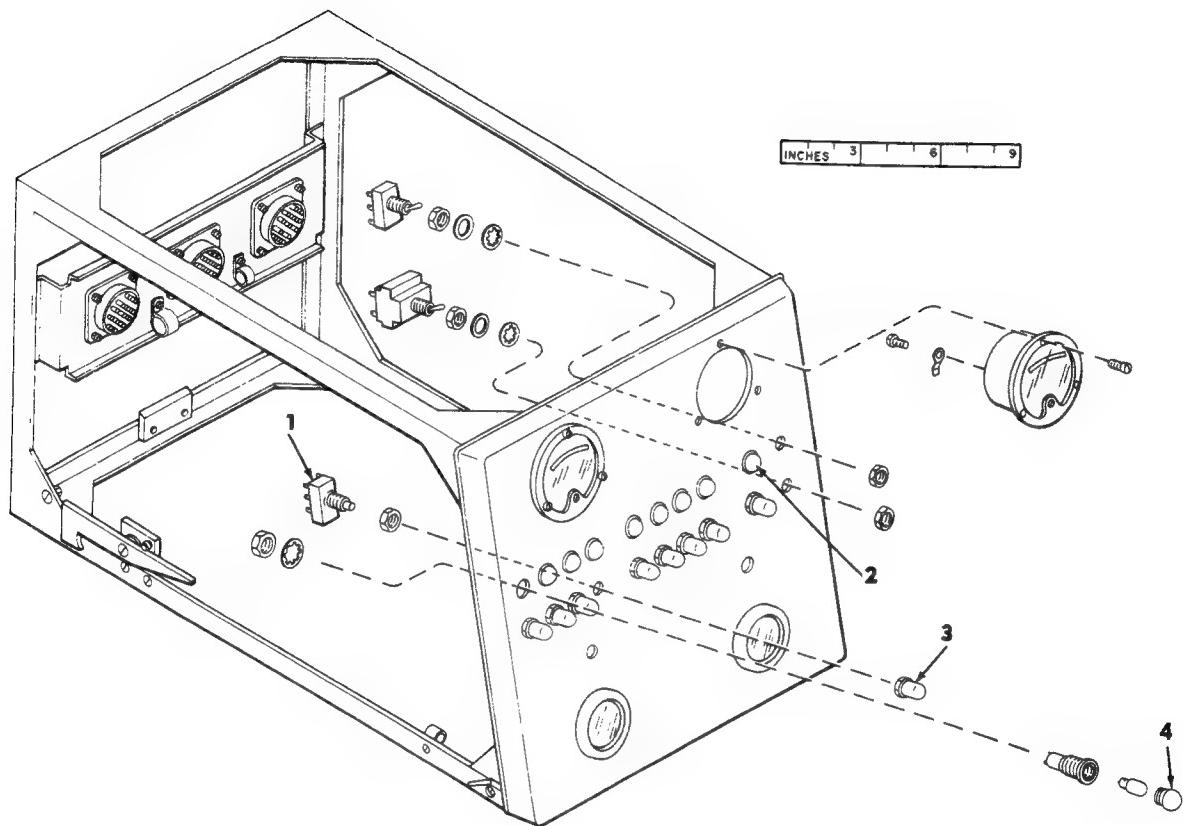
Figure 104. Amplifier, video (8517446)—partial exploded view



ORD G259957

- 1 CAPACITOR 8023439
- 2 TERMINAL 7598949
- 3 SEMICONDUCTOR DEVICE IN198

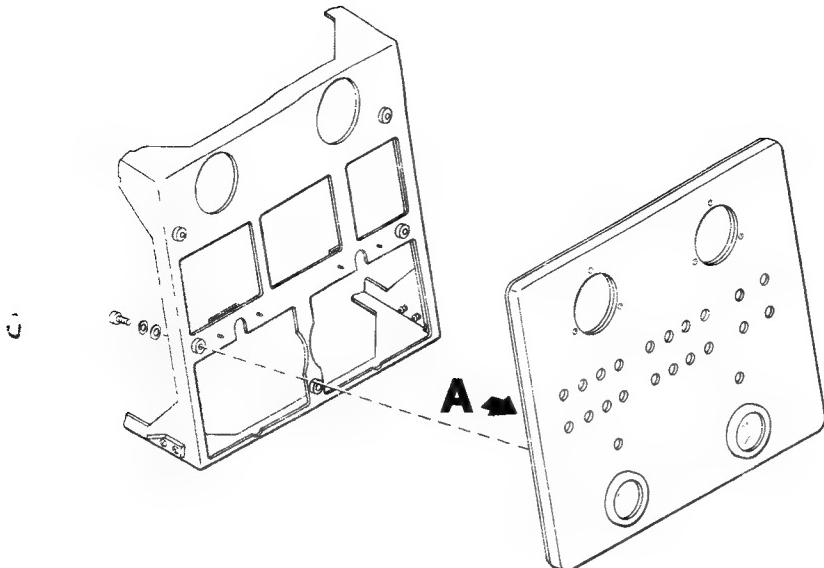
Figure 105. Amplifier, video (8517446)—partial exploded view



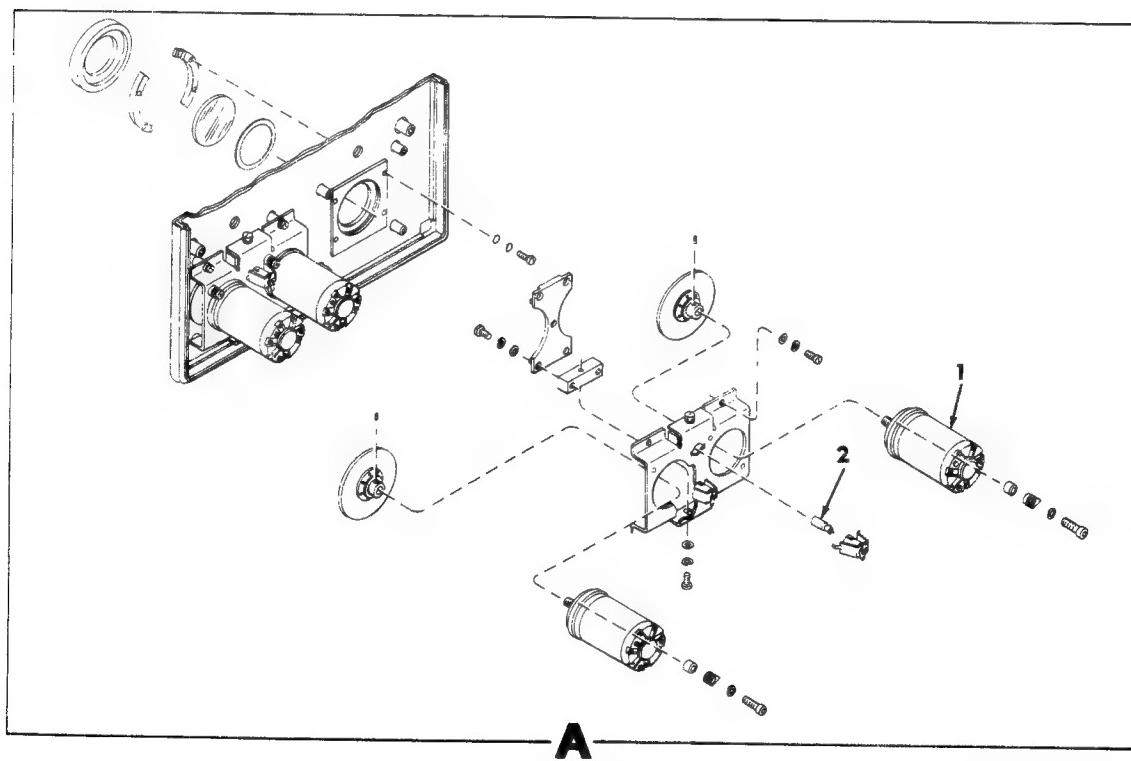
ORD G284197

- 1 SWITCH 4000695
- 2 LENS 8175035
- 3 BOOT 9017174
- 4 LENS 8175032

Figure 106. Indicator, azimuth and elevation (9140712)—partial exploded view



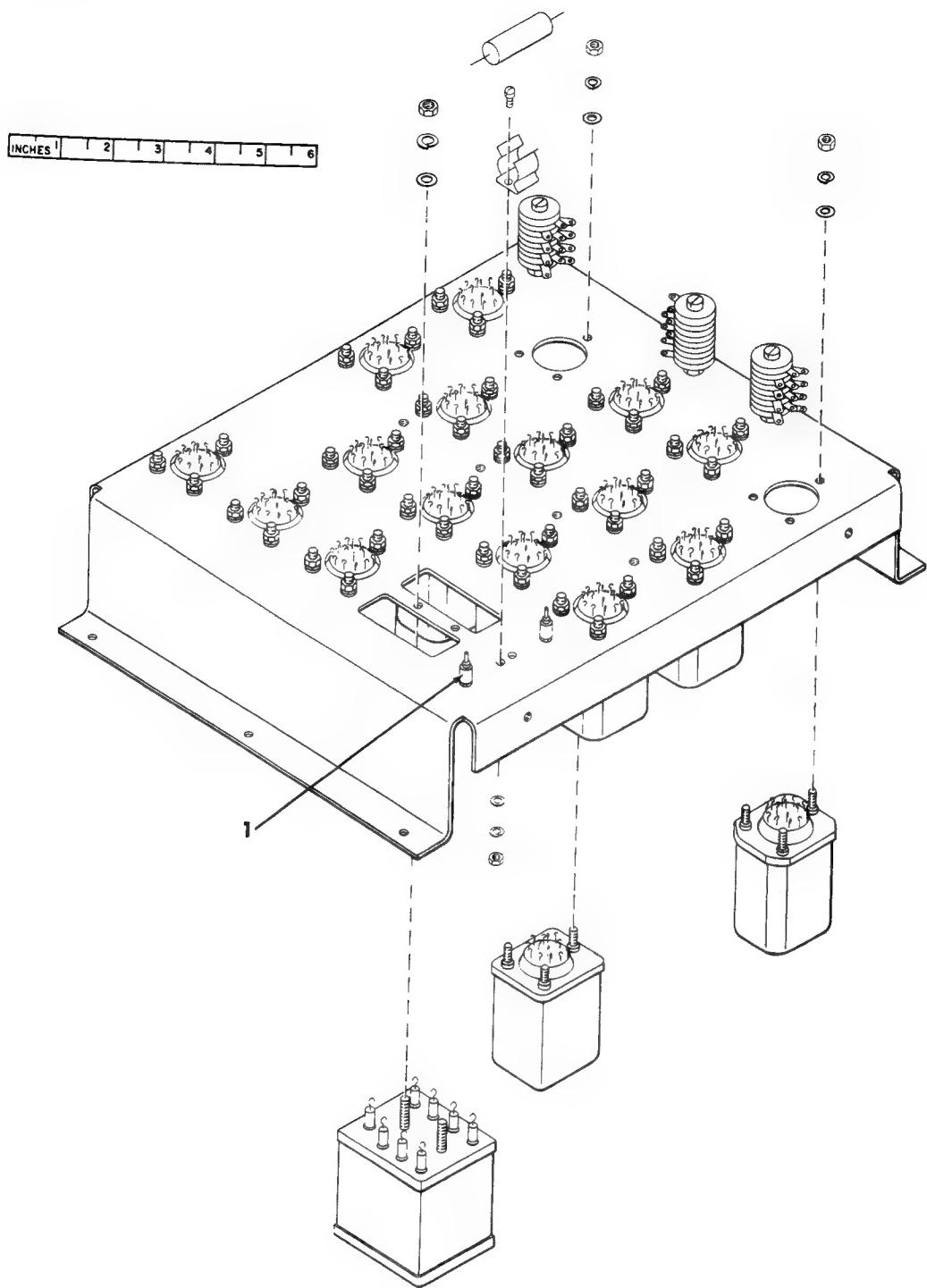
INCHES 6 9 12



ORD G284198

1 SYNCHRO 7674819
 2 LAMP MS-15571-2

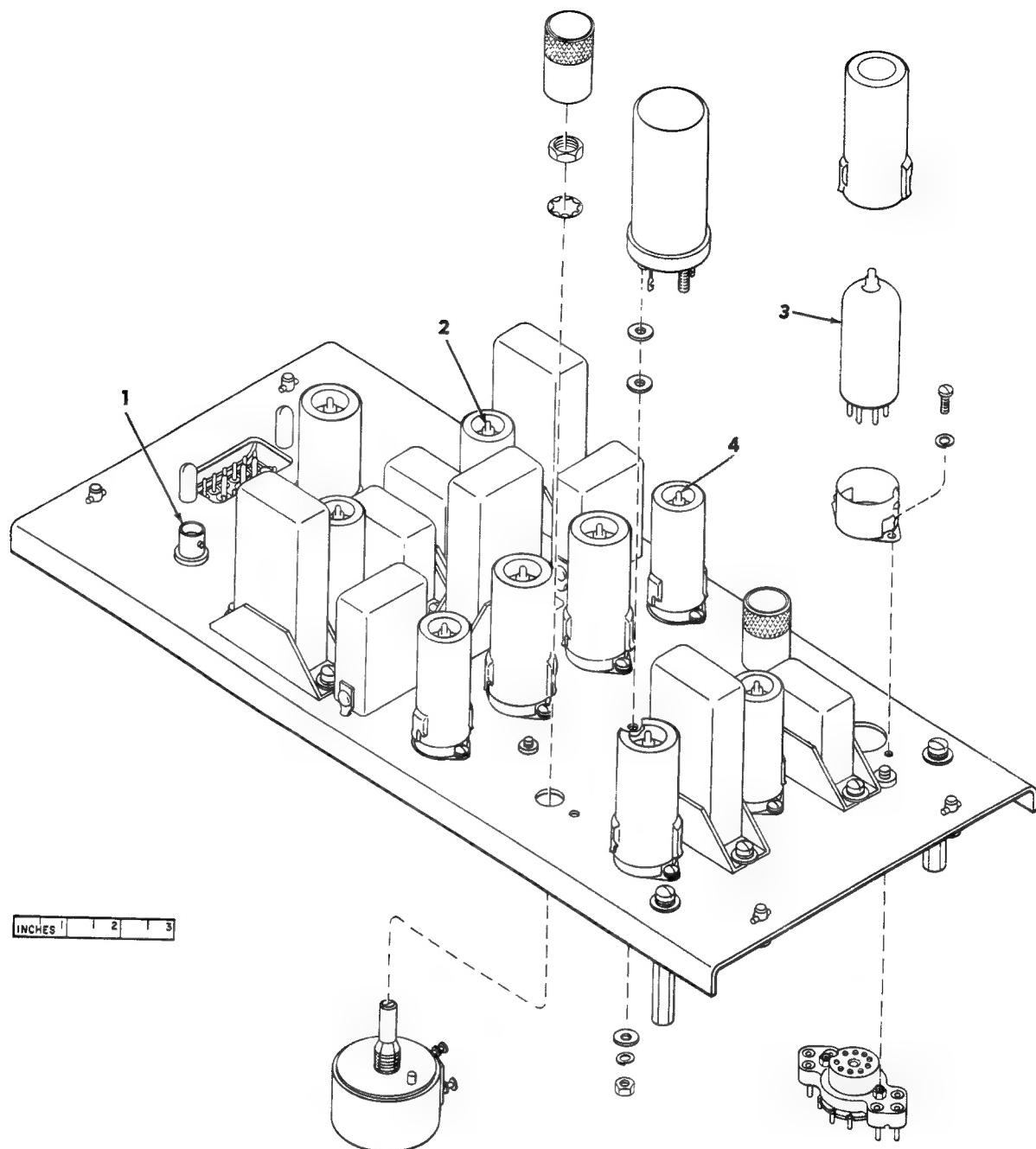
Figure 107. Indicator, azimuth and elevation (9140712) - partial exploded view



ORD G259959

1 TERMINAL 7598949

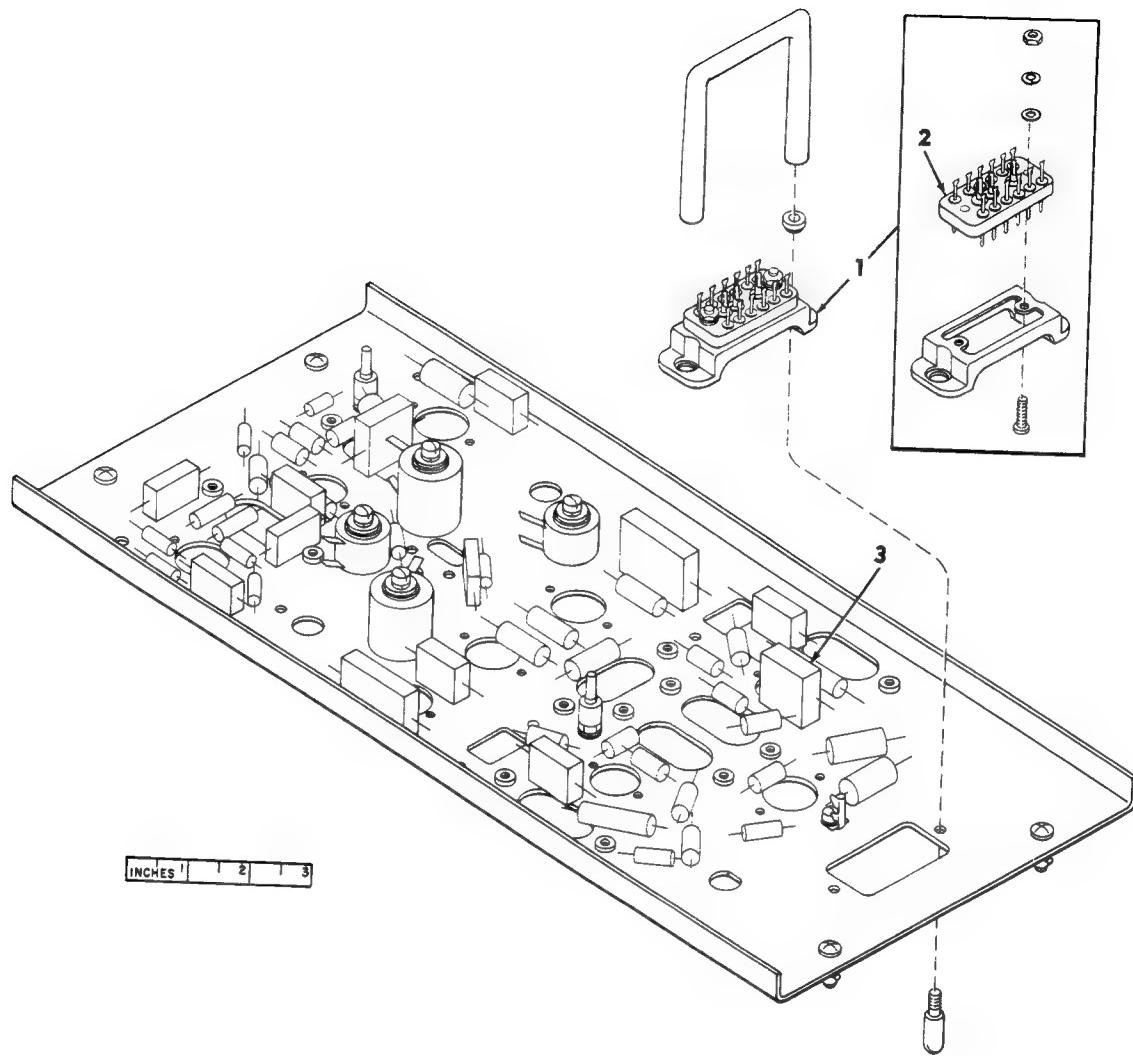
Figure 108. Chassis assembly (9140709) - exploded view



1 CONNECTOR MS-27035-625B
 2 ELECTRON TUBE 6AK5WB
 3 ELECTRON TUBE 5814A
 4 ELECTRON TUBE 5726/6AL5W

ORD G284199

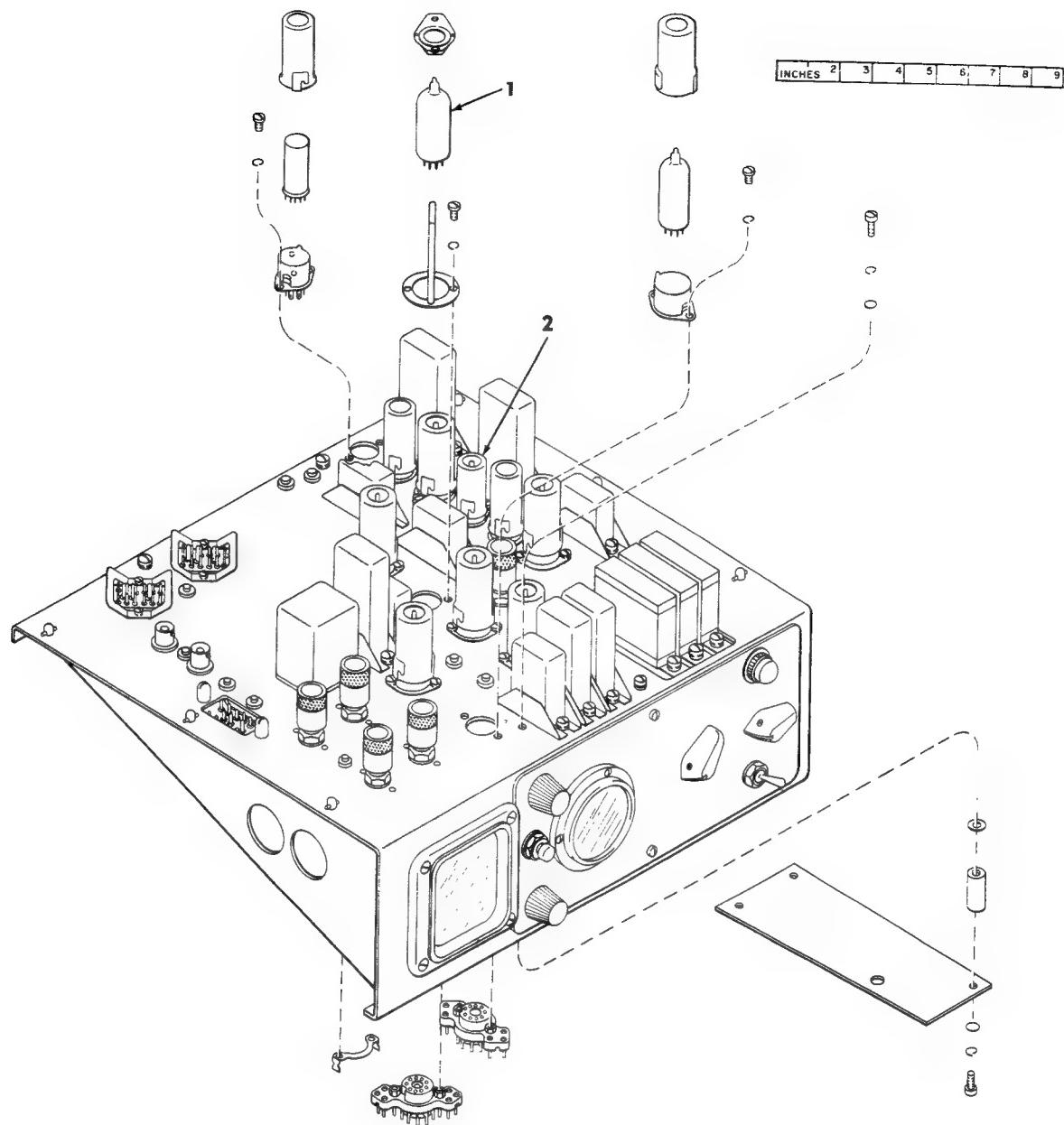
Figure 109. Generator, pulse 0-301/M (8007721)—partial exploded view



ORD G284200

- | | | |
|---|-----------|-----------|
| 1 | CONNECTOR | 7598051 |
| 2 | CONNECTOR | 7598934 |
| 3 | CAPACITOR | CM35E103J |

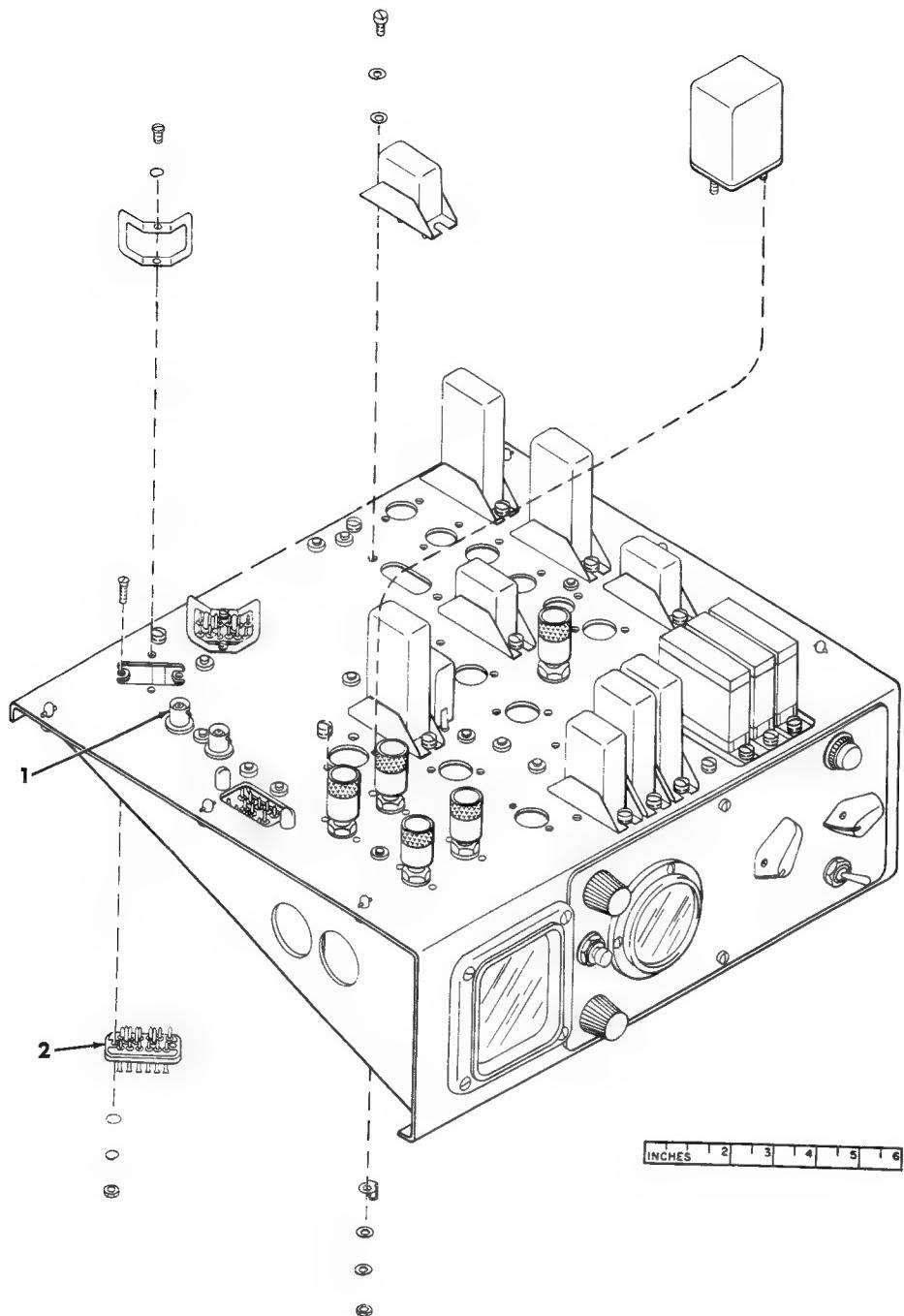
Figure 110. Generator, pulse 0-301/M (8007721) - partial exploded view



ORD G284201

- 1 ELECTRON TUBE 5687WA
2 ELECTRON TUBE 5726/6ALSx

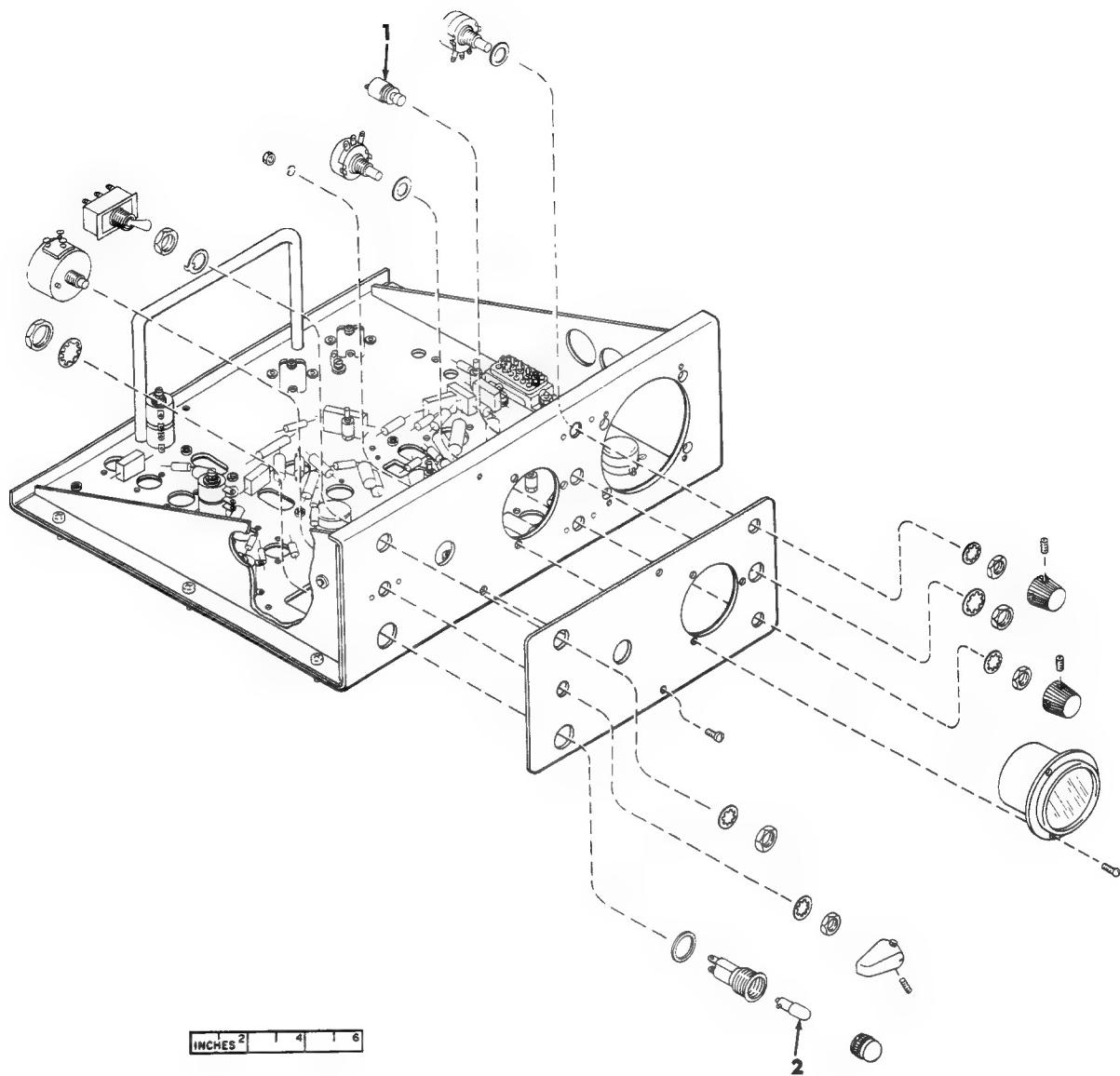
Figure 111. Oscilloscope OS-49/M (8007722)—partial exploded view



ORD G284202

1 CONNECTOR MS-27035-625B
2 CONNECTOR 7598934

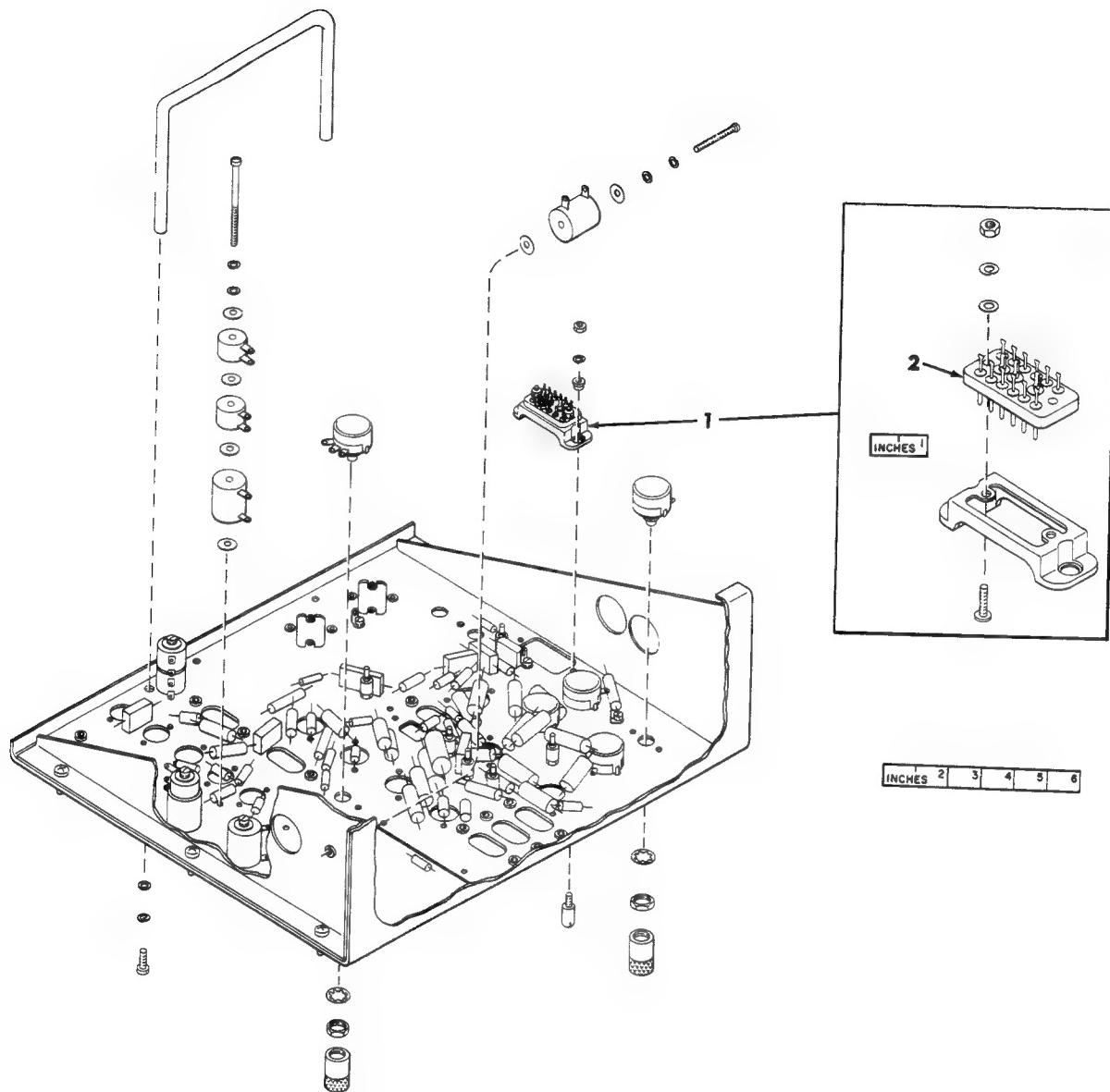
Figure 112. Oscilloscope OS-49/M (8007722) - partial exploded view



ORD G284203

1 SWITCH 8177119
 2 LAMP MS-15571-2

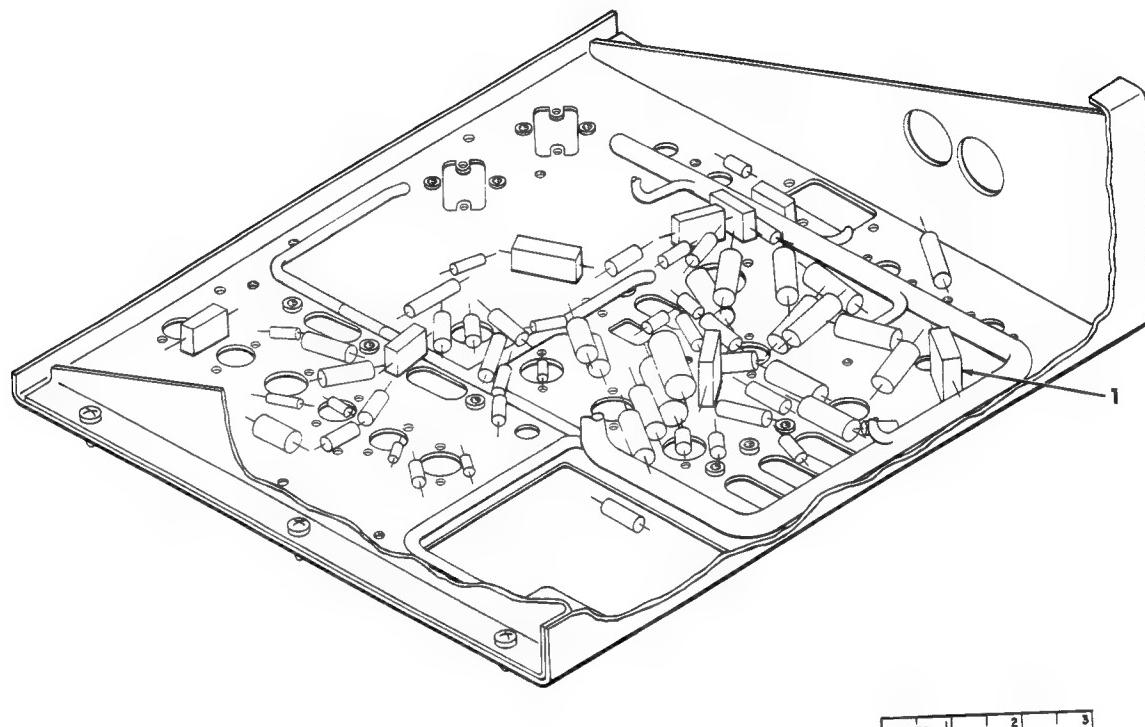
Figure 113. Oscilloscope OS-49/M (8007722) - partial exploded view



ORD G263589

1 CONNECTOR 7598051
2 CONNECTOR 7598934

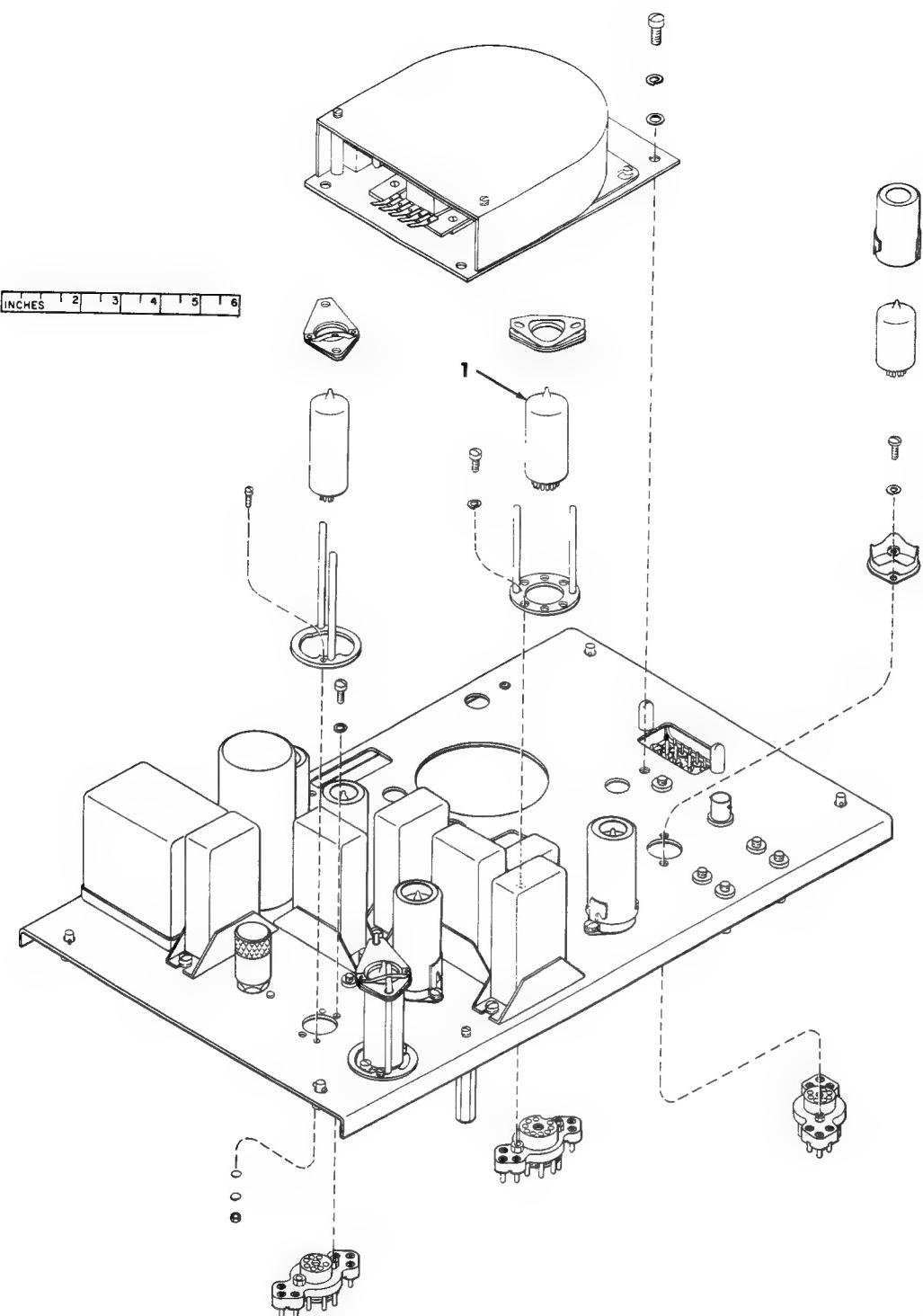
Figure 114. Oscilloscope OS-49/M (8007722)—partial exploded view



ORD G284204

1 CAPACITOR CM35E103J

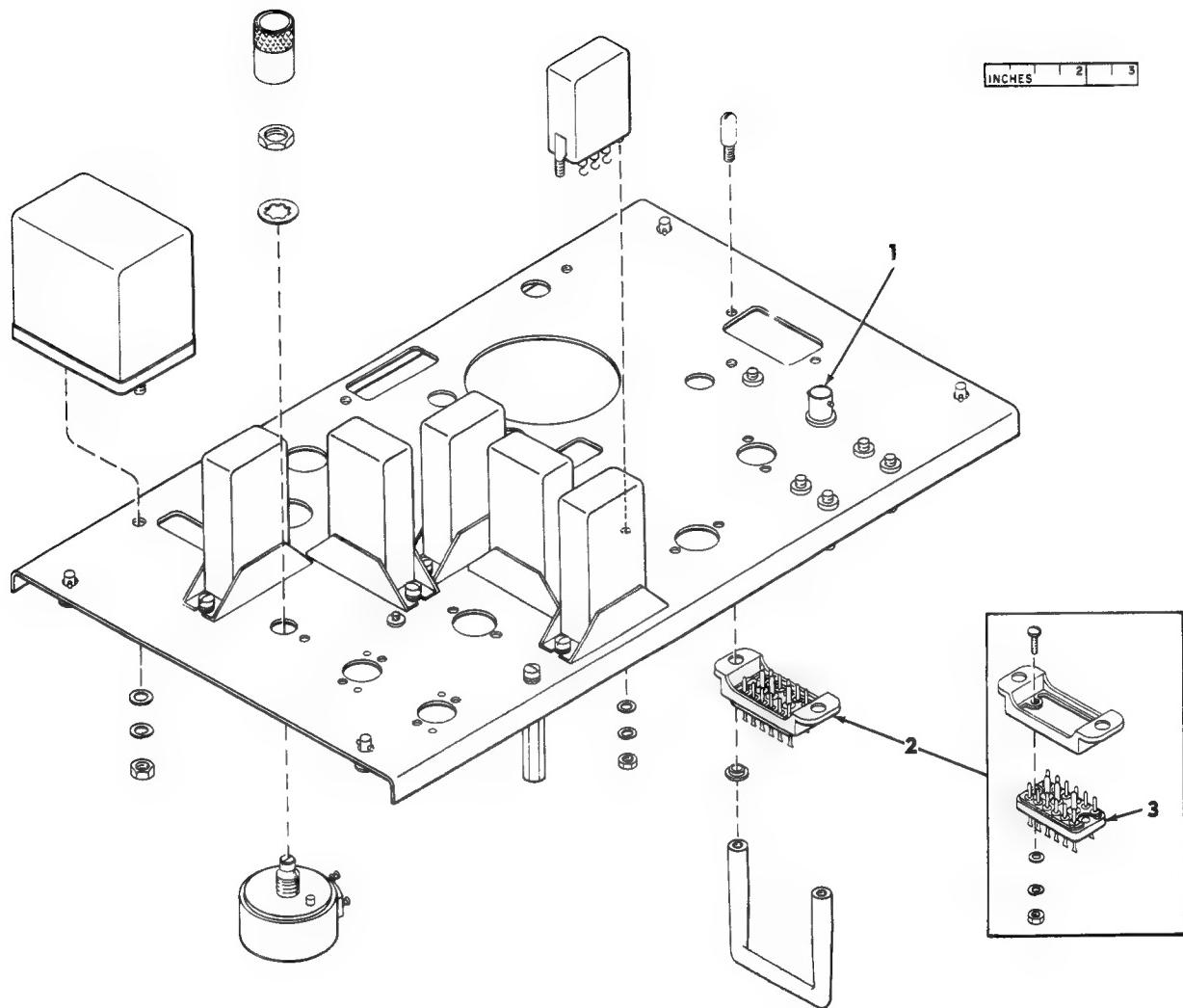
Figure 115. Oscilloscope OS-49/M (8007722) - partial exploded view



ORD G284205

1 ELECTRON TUBE 5687WA

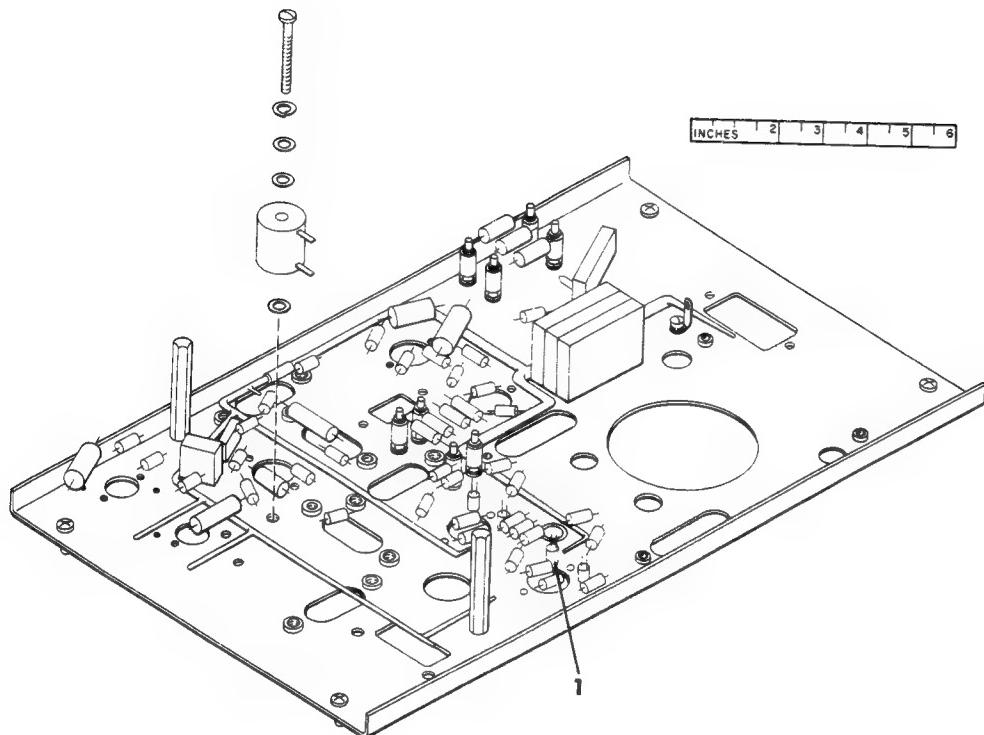
Figure 116. Generator, pulse O-300A/M (9000007) - partial exploded view



ORD G284206

- 1 CONNECTOR MS-27035-625B
- 2 CONNECTOR 7598051
- 3 CONNECTOR 7598934

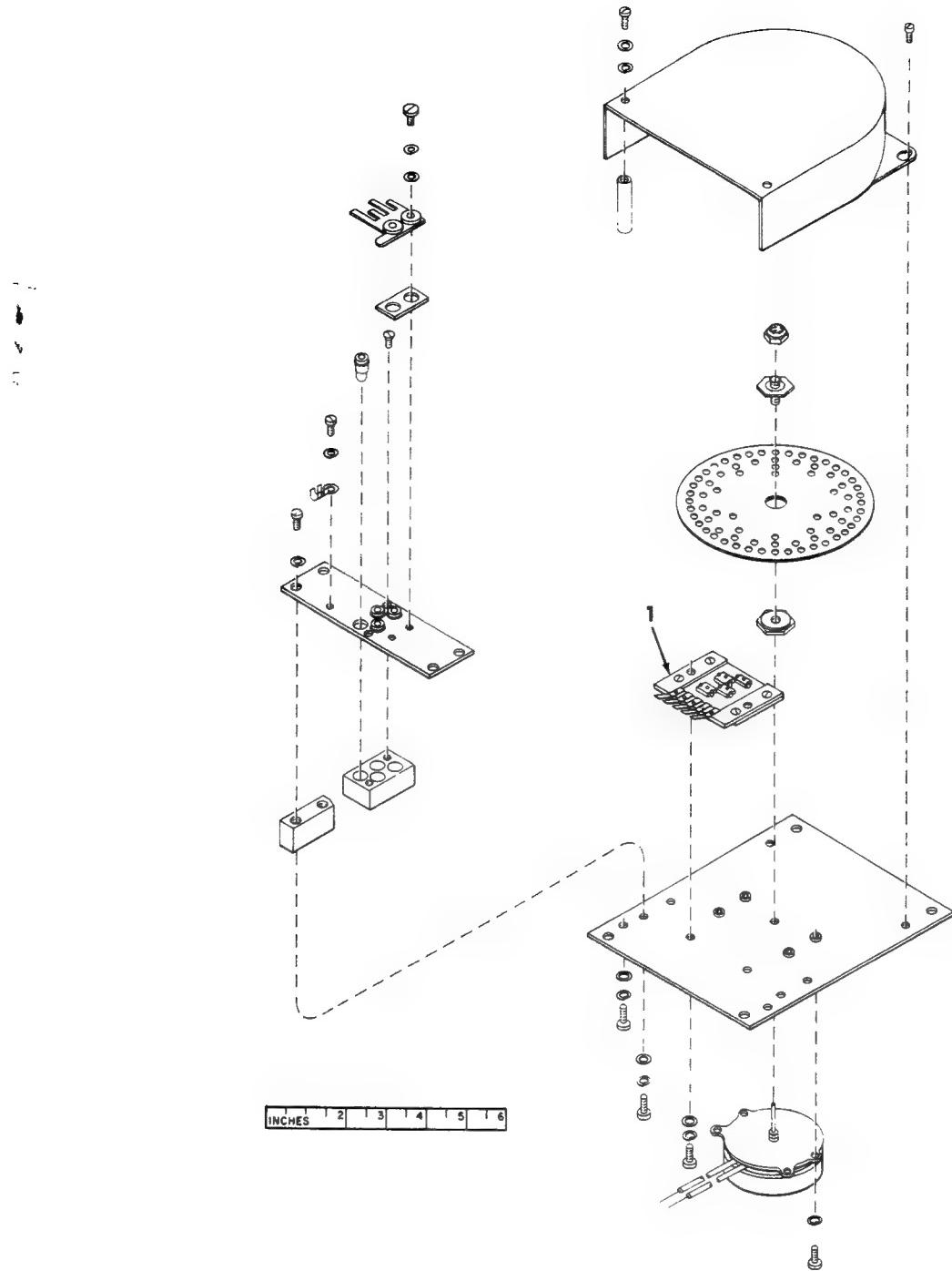
Figure 117. Generator, pulse O-300A/M (9000007) – partial exploded view



ORD G284207

1 CRYSTAL UNIT 8515007

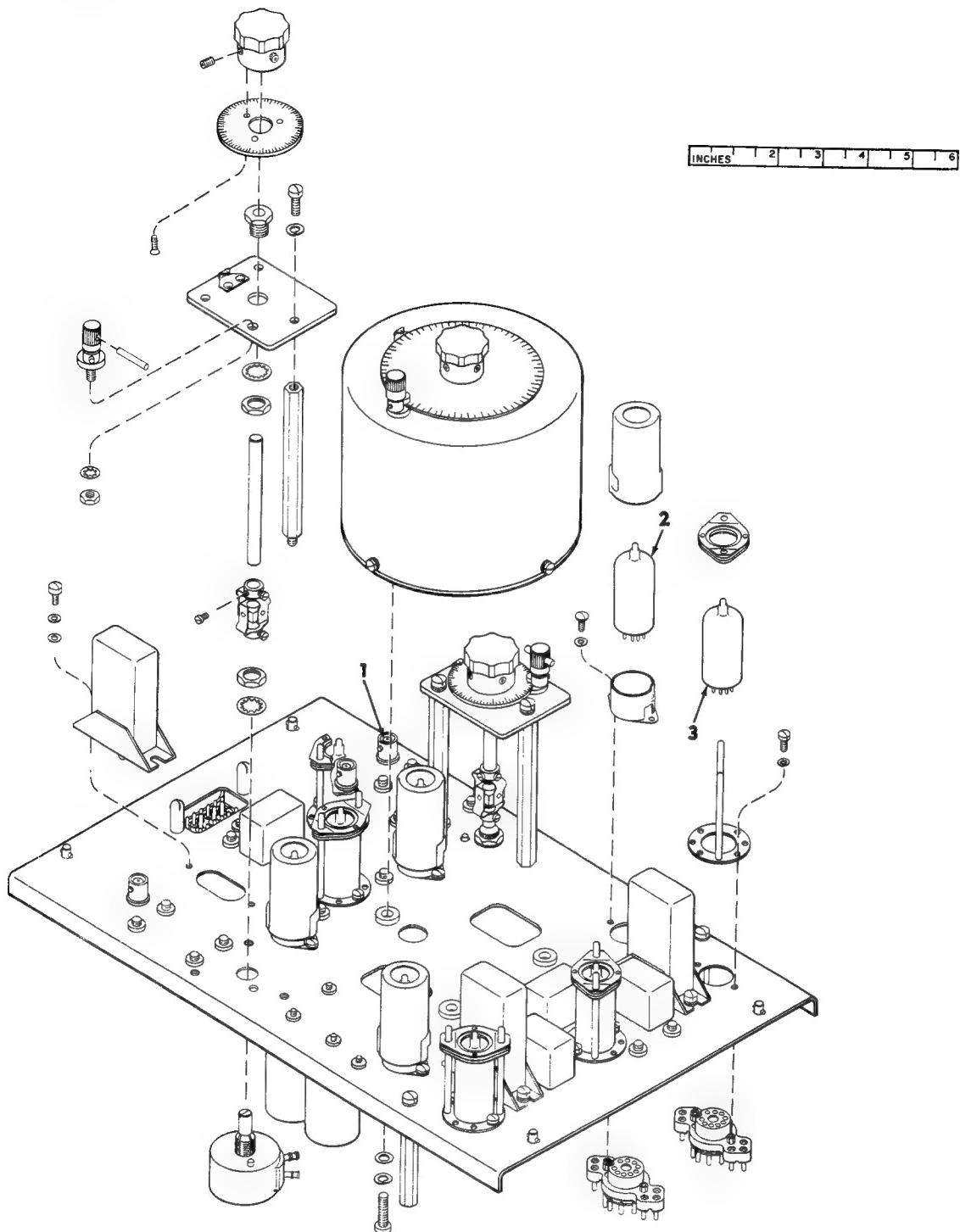
Figure 118. Generator, pulse O-300A/M (9000007) - partial exploded view



ORD G78638

1 PHOTOCELL UNIT 8018269

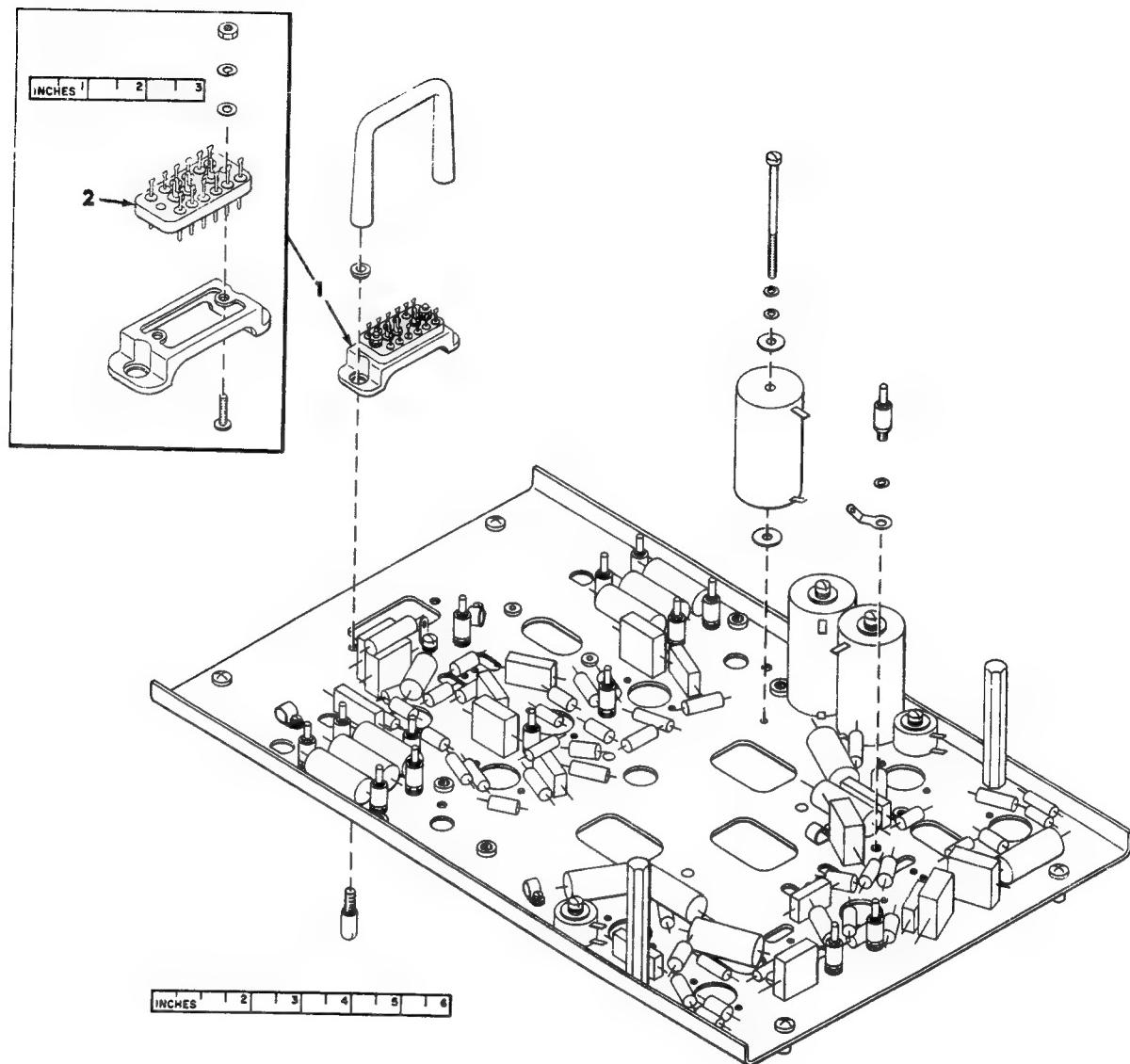
Figure 119. Generator assembly (8012692)—exploded view



ORD G284208

- 1 CONNECTOR MS-27035-625B
- 2 ELECTRON TUBE 5814A
- 3 ELECTRON TUBE 5687WA

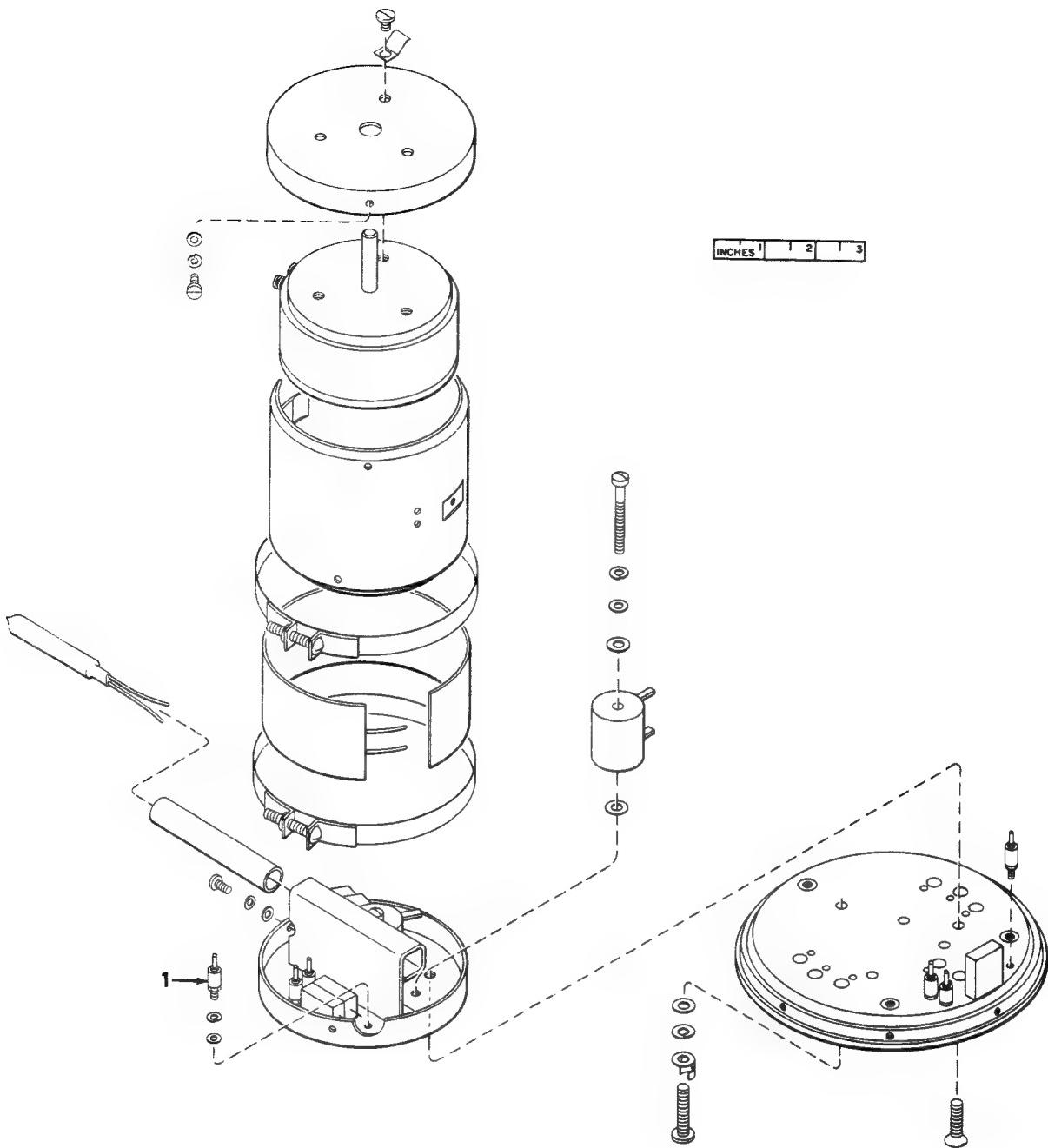
Figure 120. Generator, pulse (9142849) – partial exploded view



ORD G259966

1 CONNECTOR 7598051
 2 CONNECTOR 7598934

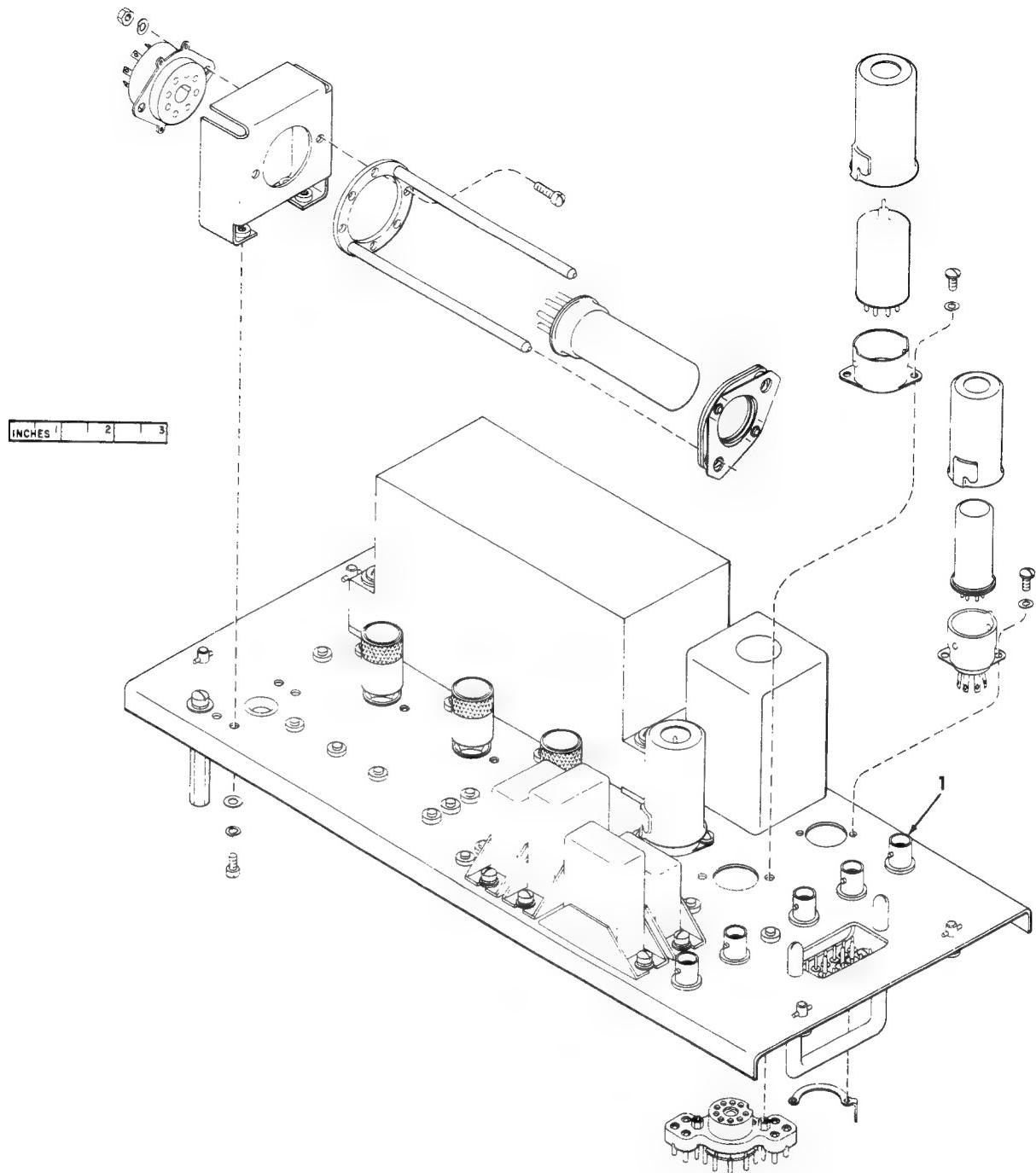
Figure 121. Generator, pulse (9142849) – partial exploded view



ORD G259967

1 TERMINAL 7598949

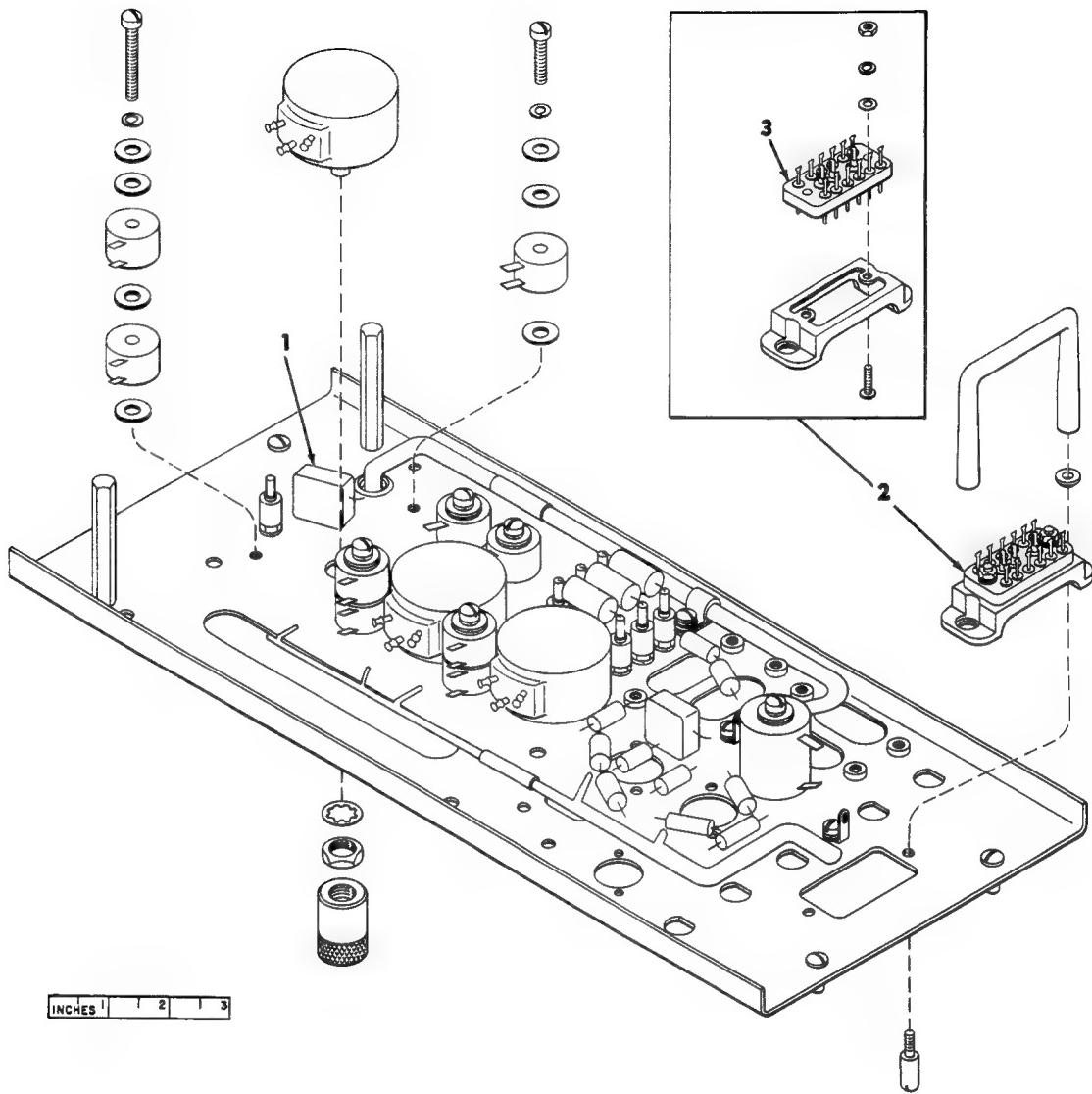
Figure 122. Oven assembly (9140175)—exploded view



ORD G284209

1 CONNECTOR MS-27035-625b

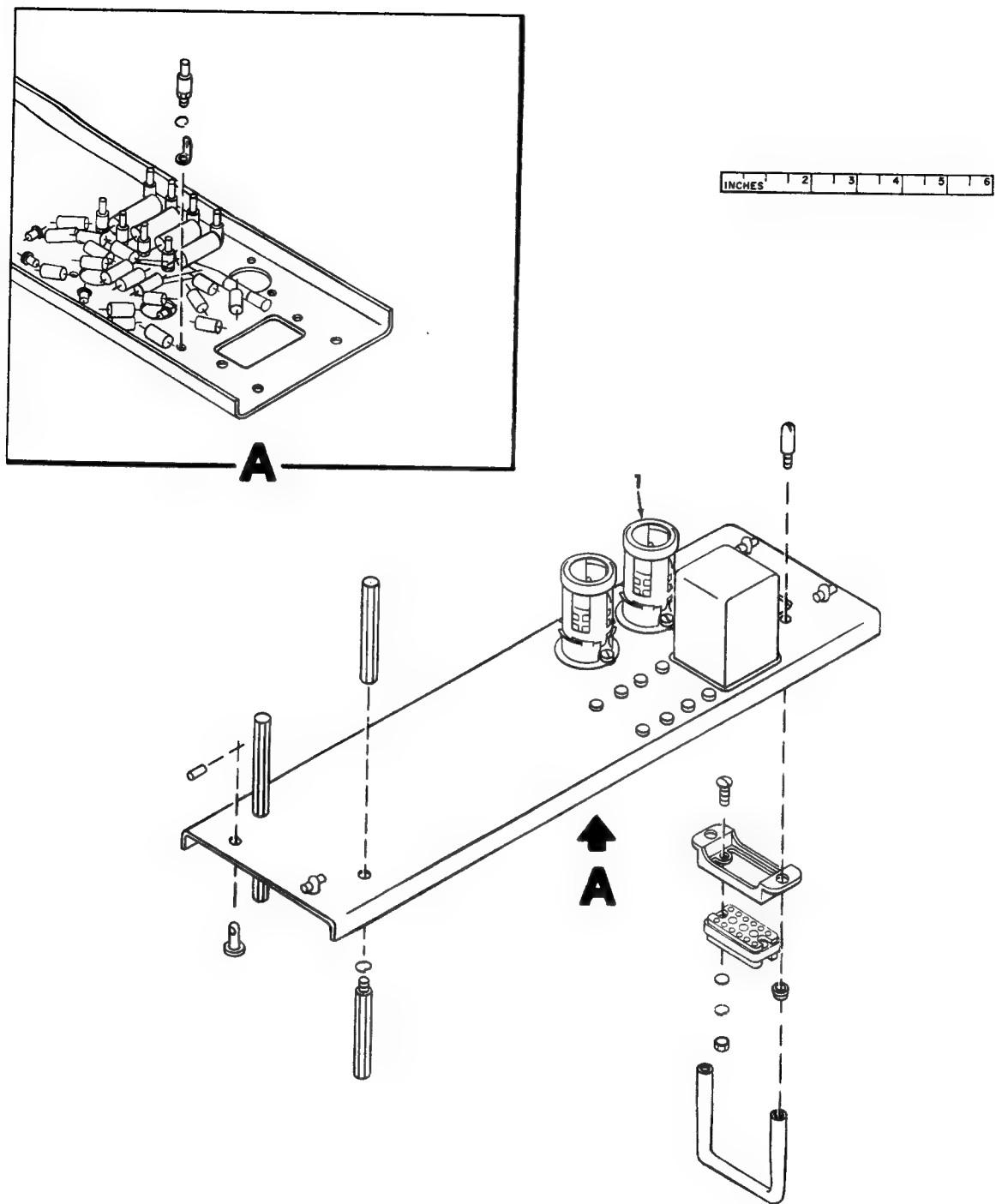
Figure 123. Amplifier-mixer stage (8513525)—partial exploded view



ORD G284210

1 CAPACITOR CM35E103J
2 CONNECTOR 7598051
3 CONNECTOR 7598934

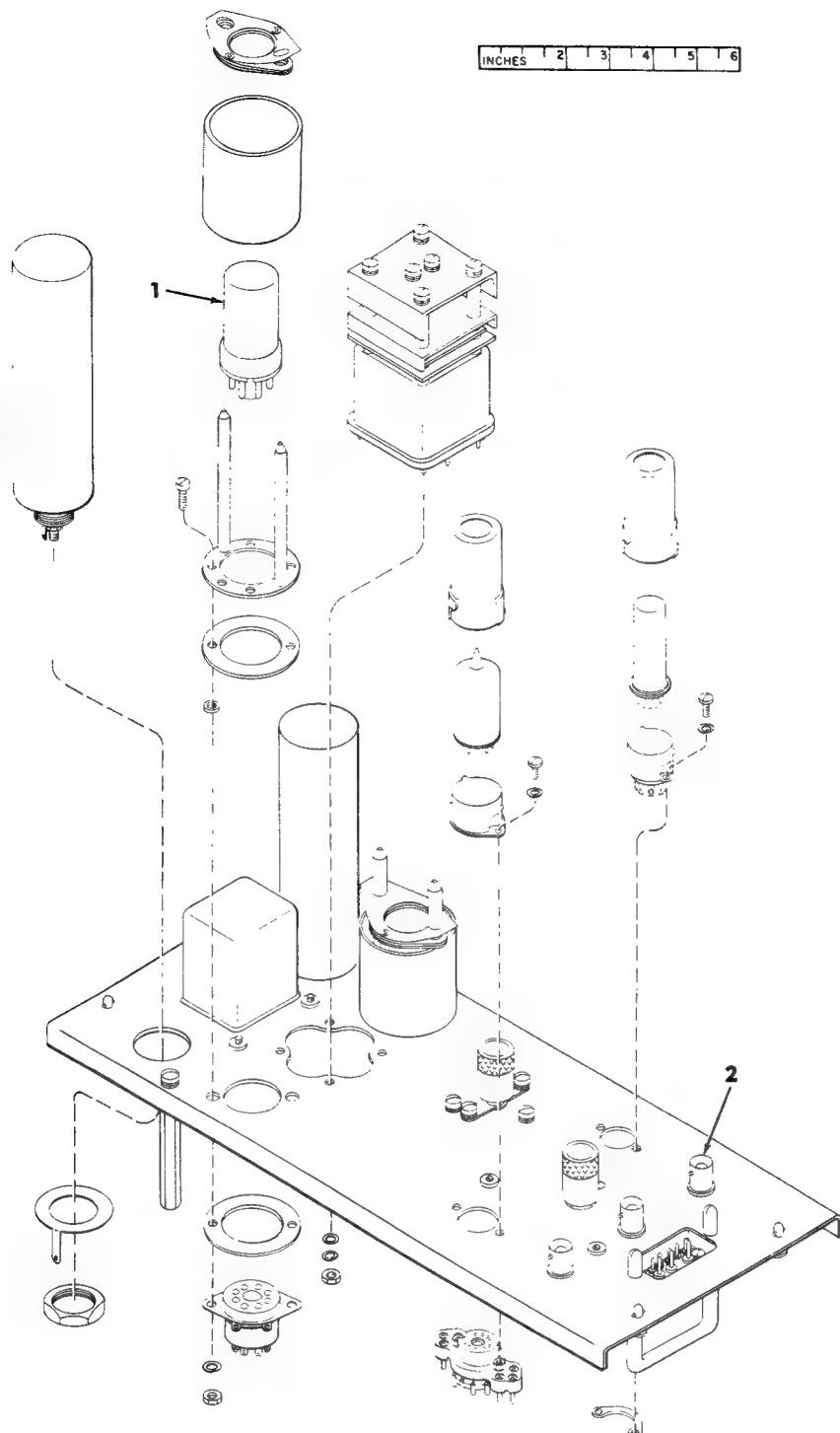
Figure 124. Amplifier-mixer stage (8513525) - partial exploded view



ORD G284211

1 ELECTRON TUBE 5670

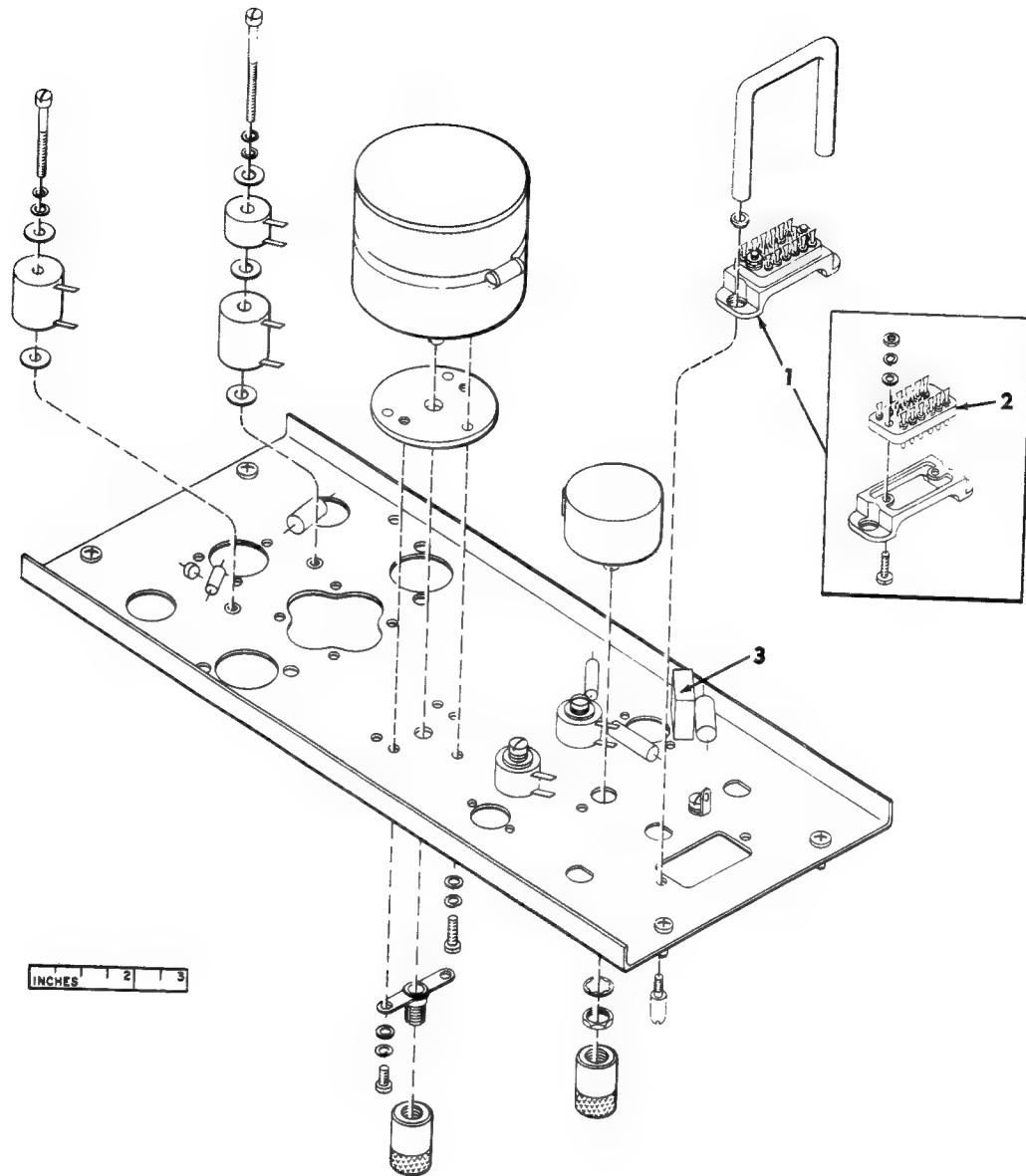
Figure 125. Relay, amplifier assembly (9995581)—exploded view



ORD G284212

- 1 ELECTRON TUBE 56Y3
 2 CONNECTOR MS-27035-625B

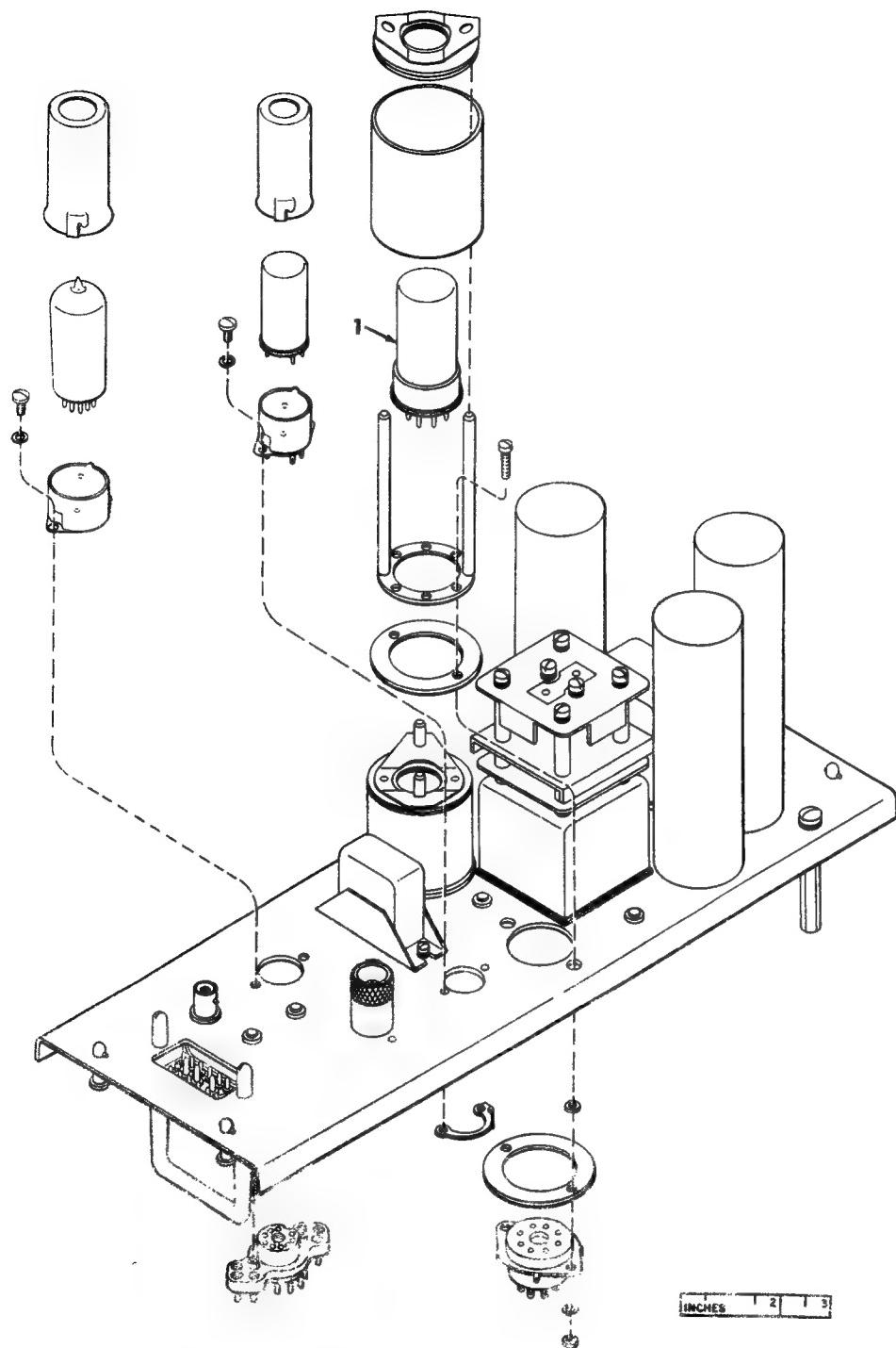
Figure 126. Generator, pulse O-303'M (8007725) - partial exploded view



ORD G284213

- | | | |
|---|-----------|-----------|
| 1 | CONNECTOR | 7598051 |
| 2 | CONNECTOR | 7598934 |
| 3 | CAPACITOR | CM35E103J |

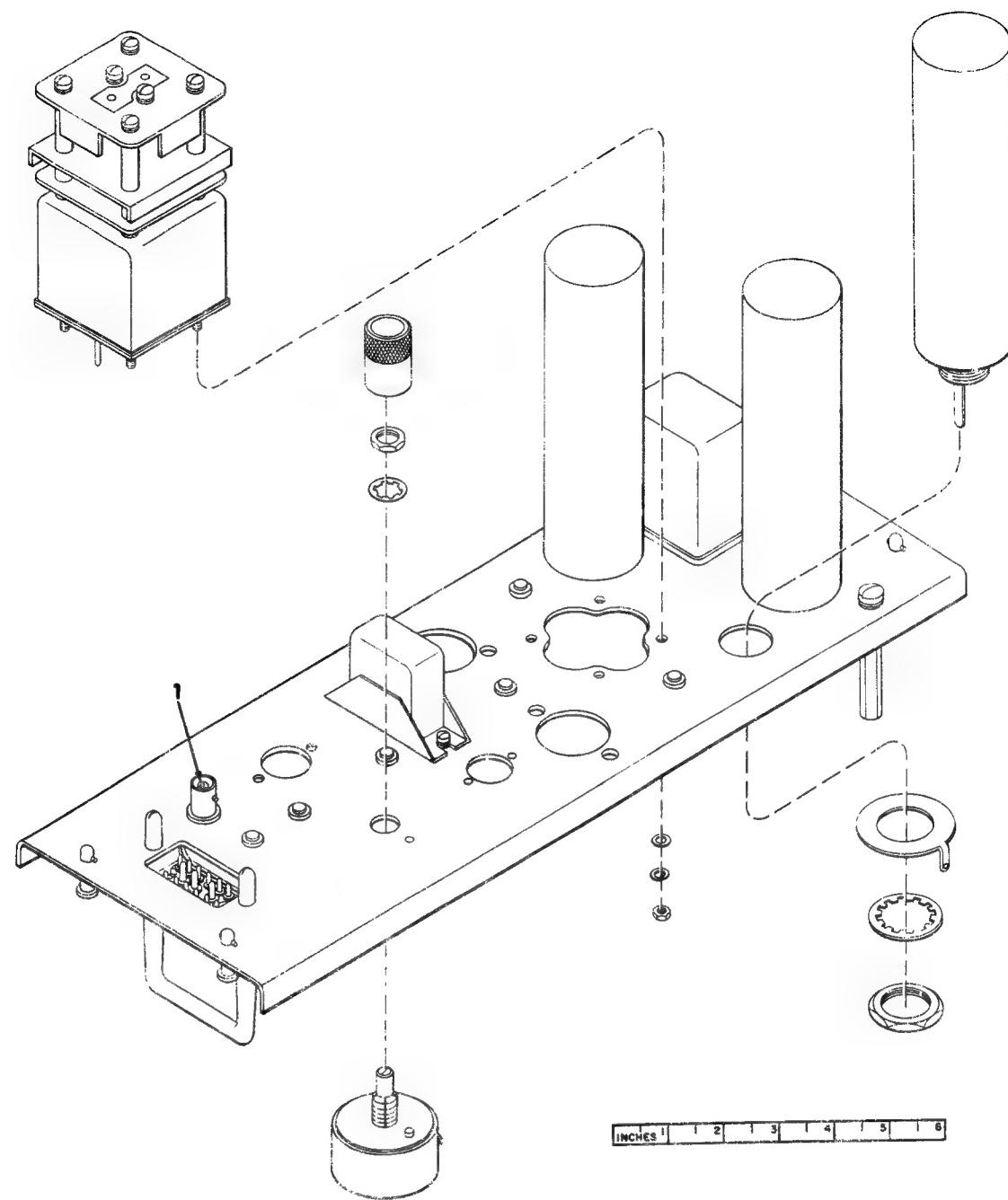
Figure 127. Generator, pulse O-303/M (8007725) – partial exploded view



ORD G284214

1 ELECTRON TYPE 5691

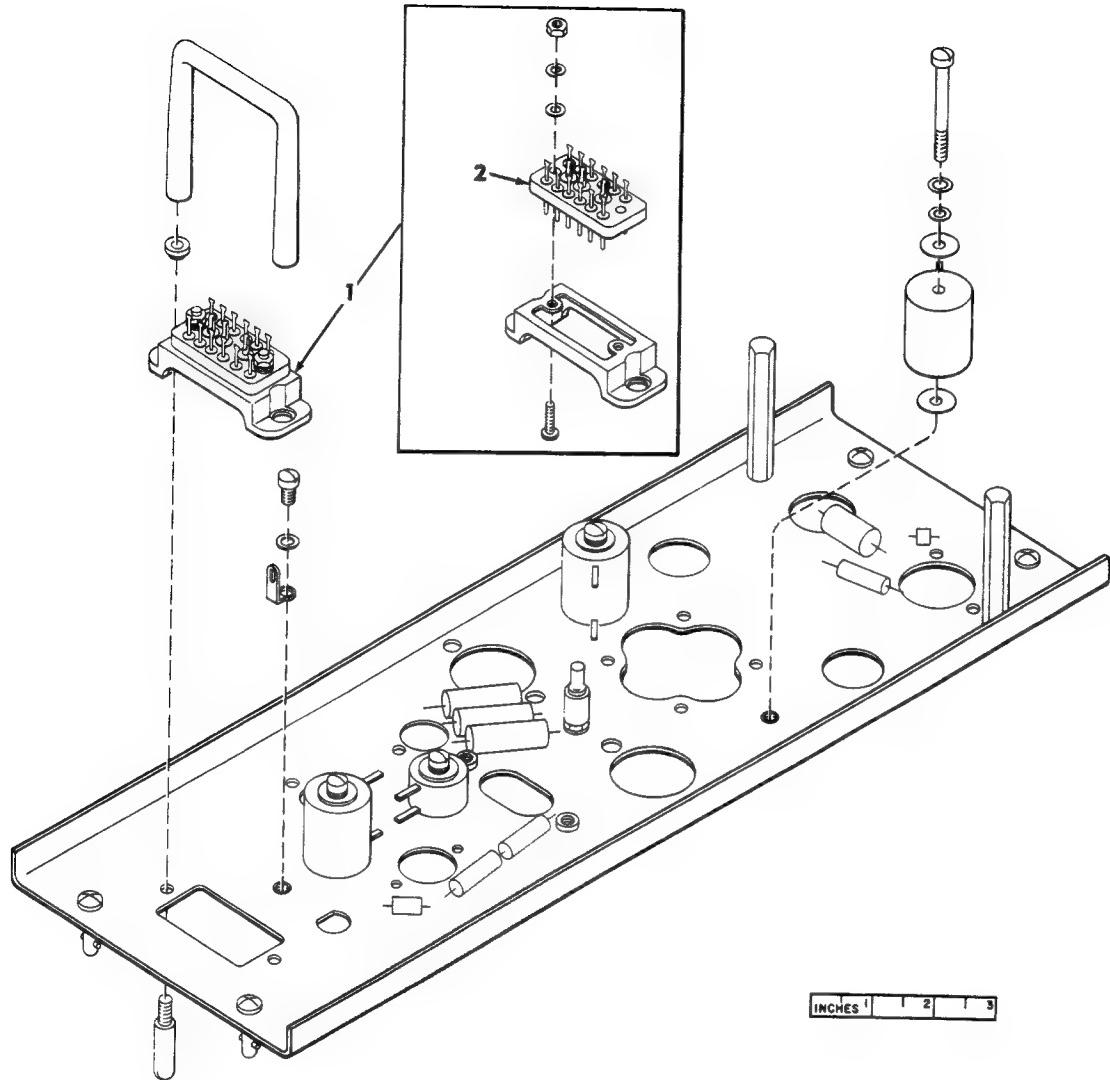
Figure 128. Generator, puls. G-301M (S07726) - partial exploded view



ORD G28-215

1 CONNECTOR MS-27035-6258

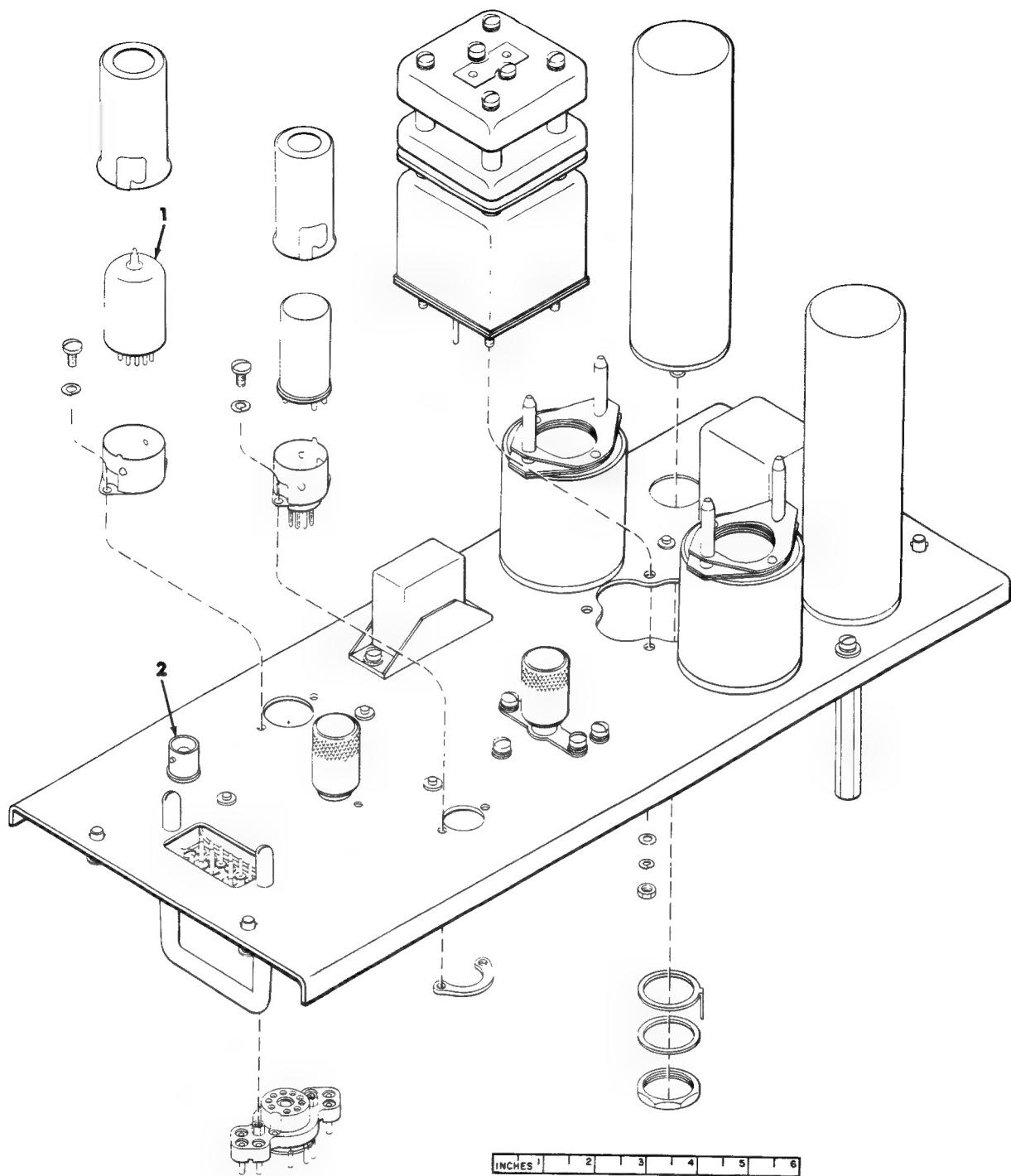
Figure 109. Generator, pulse Q-324/M (8007726) - partial exploded view



ORD G259971

1 CONNECTOR 7598051
2 CONNECTOR 7598934

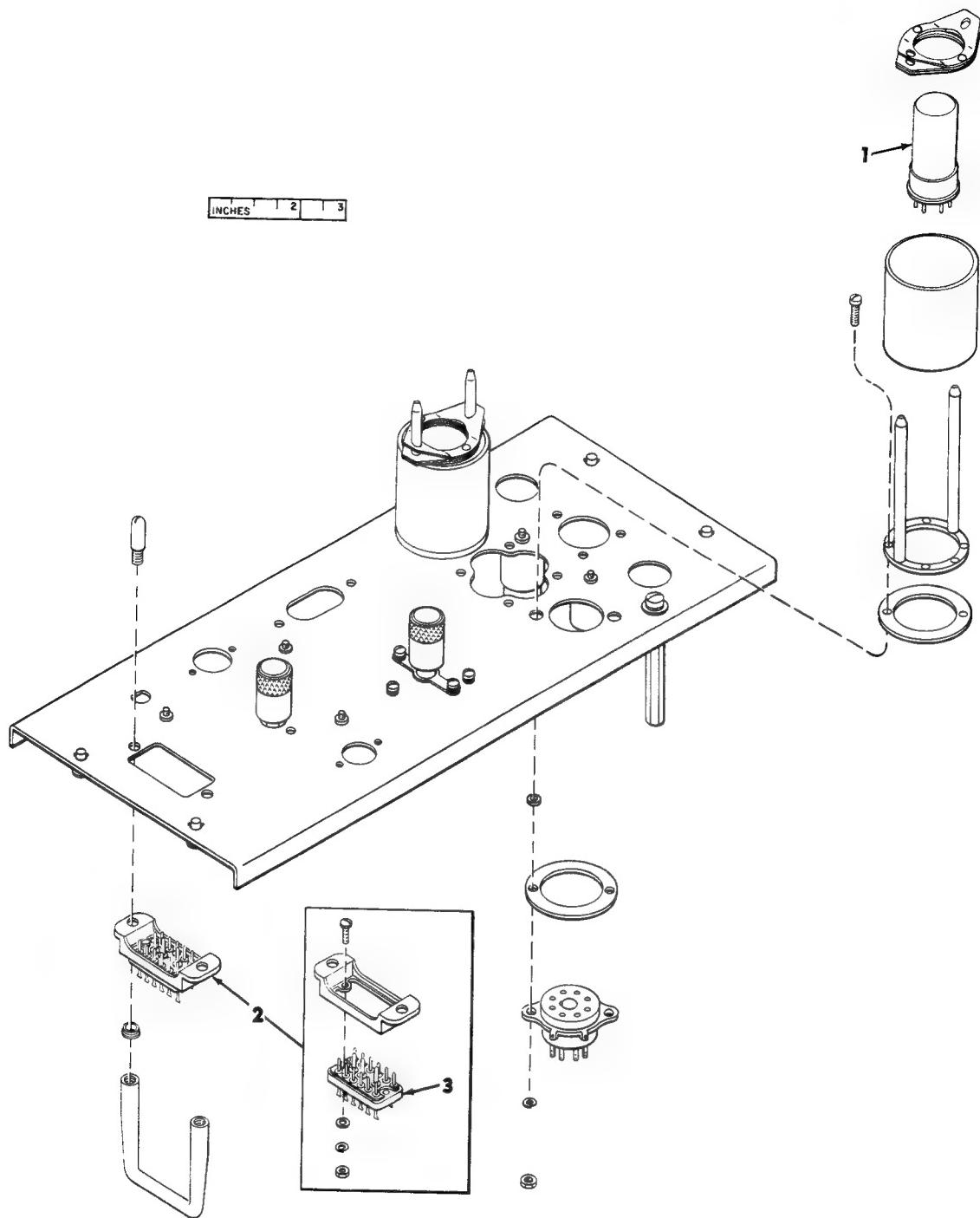
Figure 130. Generator, pulse O-304/M (8007726)–partial exploded view



ORD G284216

1 ELECTRON TUBE 5814A
 2 CONNECTOR MS-27035-625B

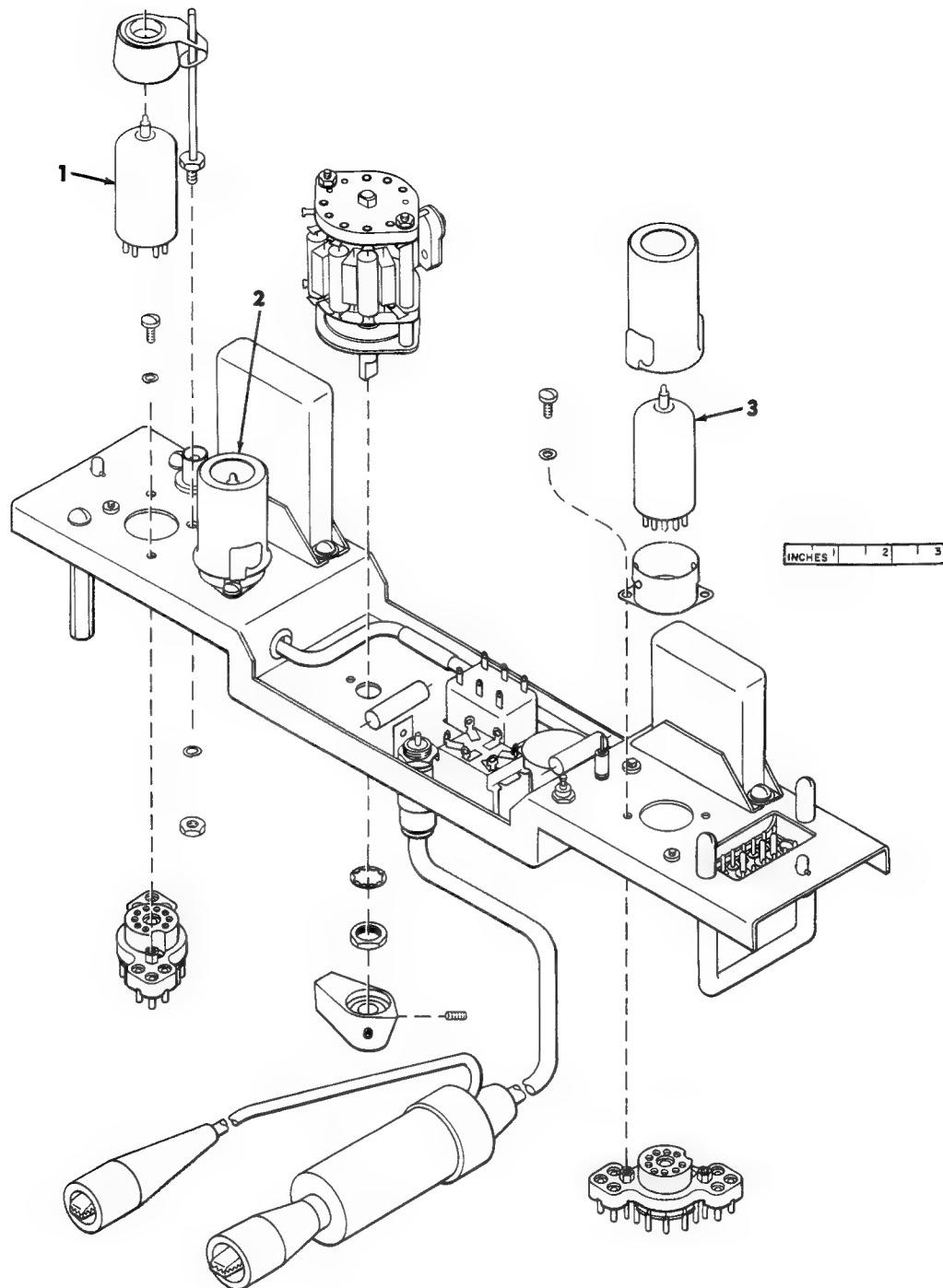
Figure 131. Generator, pulse O-305/M and O-306/M (8007727 and 8007728)—partial exploded view



ORD G284217

- 1 ELECTRON TUBE 5693
- 2 CONNECTOR 7598051
- 3 CONNECTOR 7598934

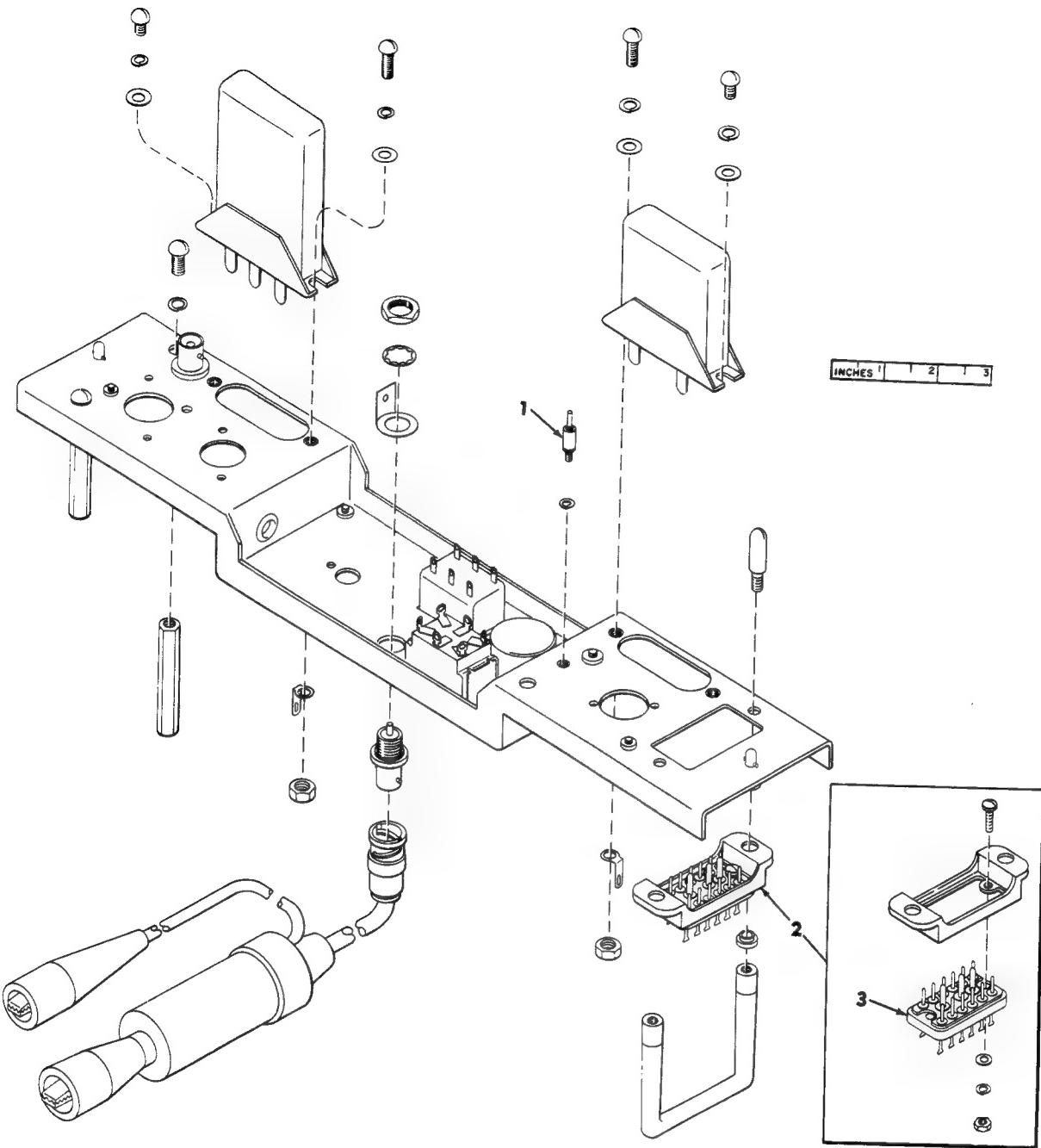
Figure 132. Generator, pulse O-305/M and O-306/M (8007727 and 8007728)—partial exploded view



ORD G284218

- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 6AH6
- 3 ELECTRON TUBE 5814A

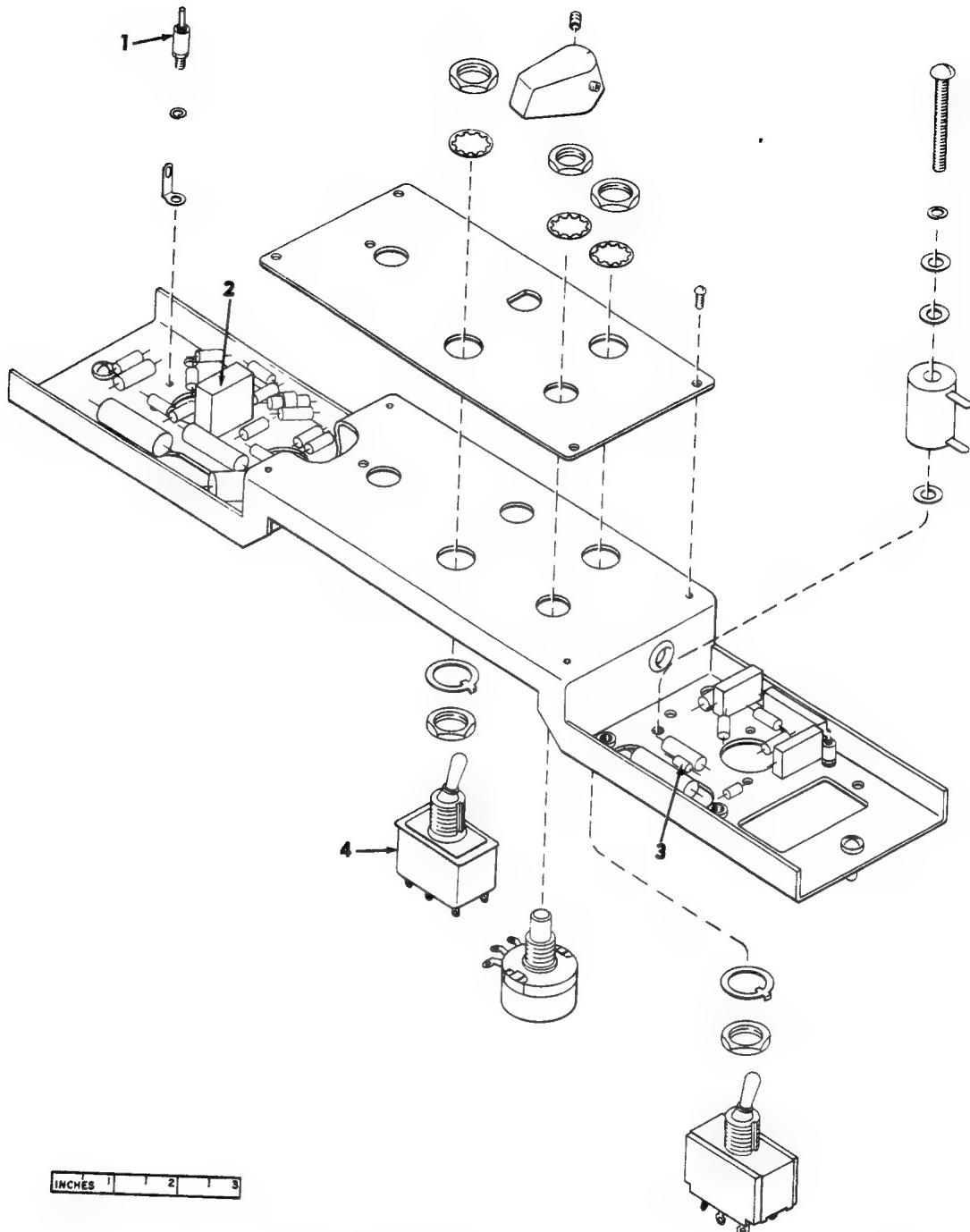
Figure 133. Adapter, test (8520413) - partial exploded view



ORD G259973

- 1 TERMINAL 7598949
- 2 CONNECTOR 7598051
- 3 CONNECTOR 7598934

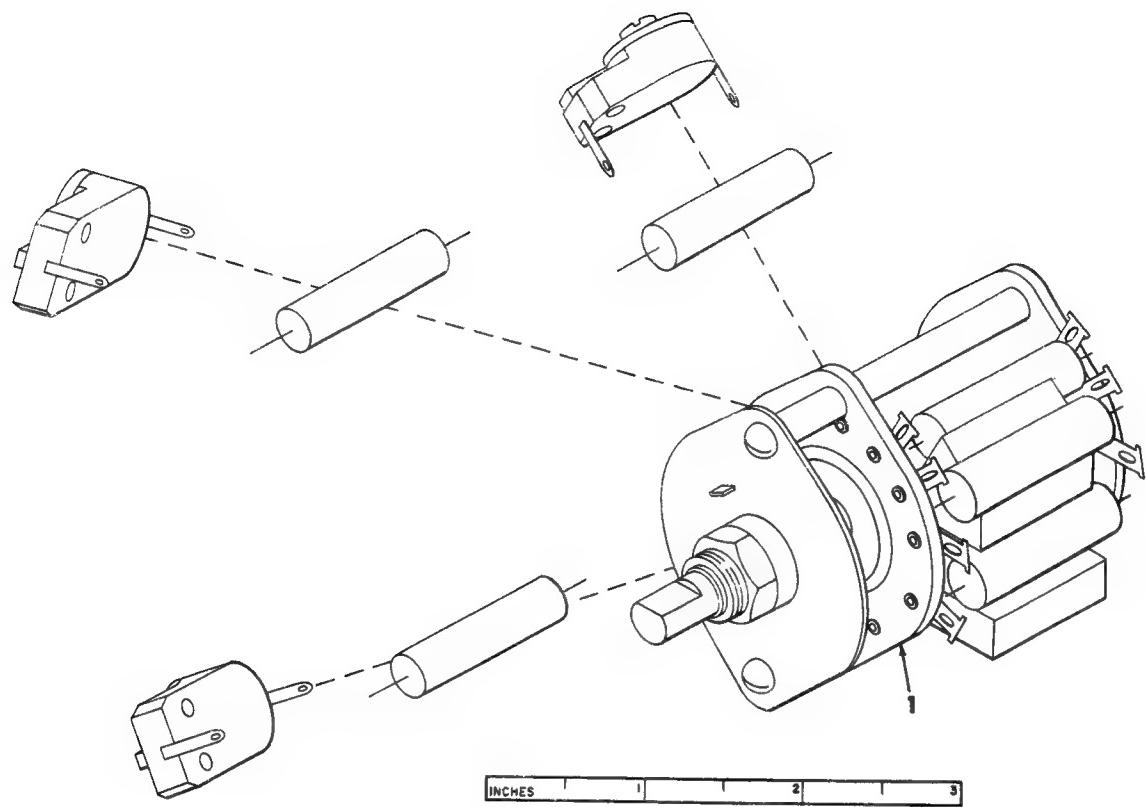
Figure 134. Adapter, test (8520413)—partial exploded view



- 1 TERMINAL 7598949
- 2 CAPACITOR CM35E103J
- 3 SEMICONDUCTOR DEVICE
7598937
- 4 SWITCH MS-25100-23

ORD G284219

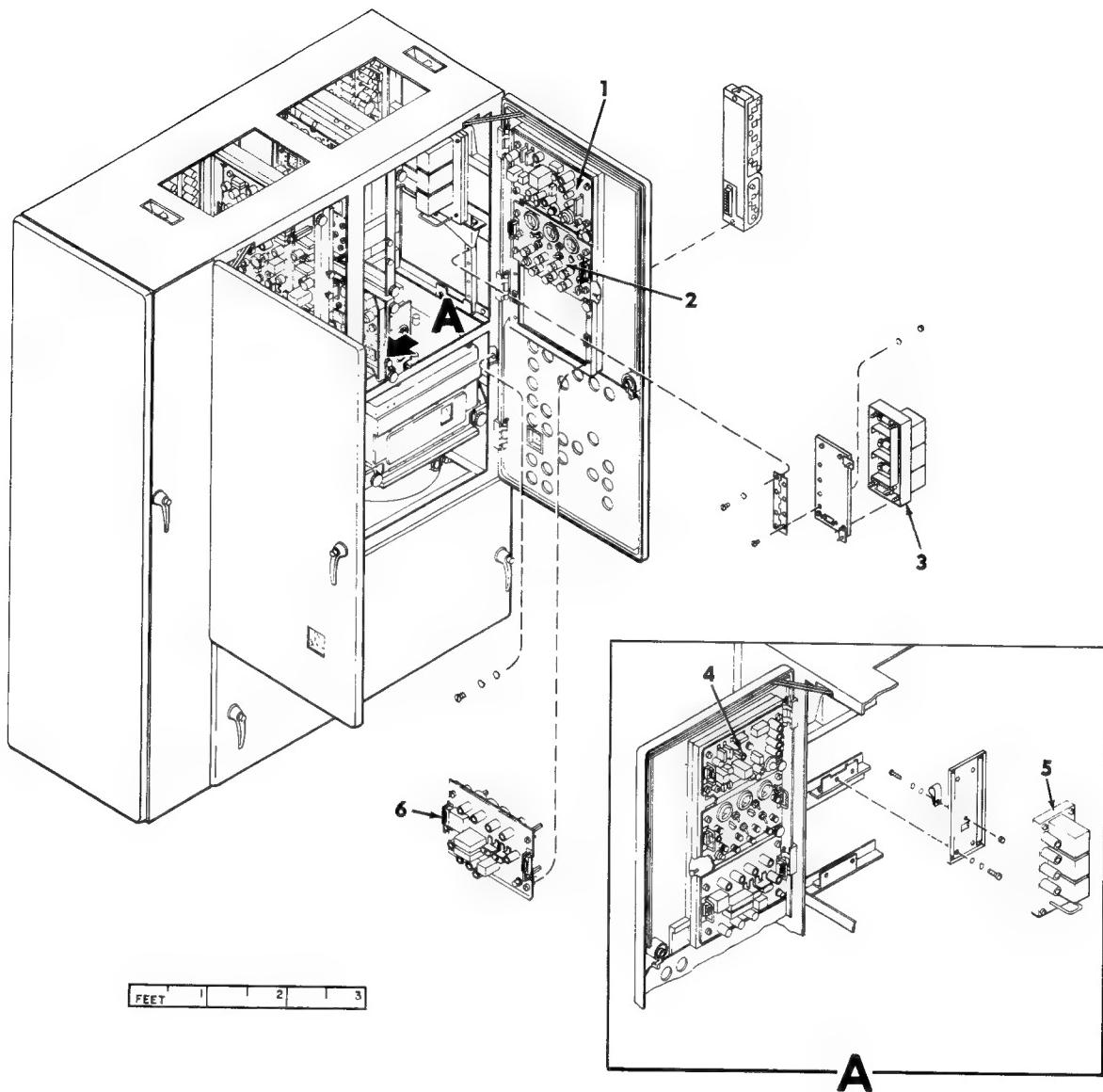
Figure 135. Adapter, test (8520413)—partial exploded view



ORD G284220

1 SWITCH 7614301

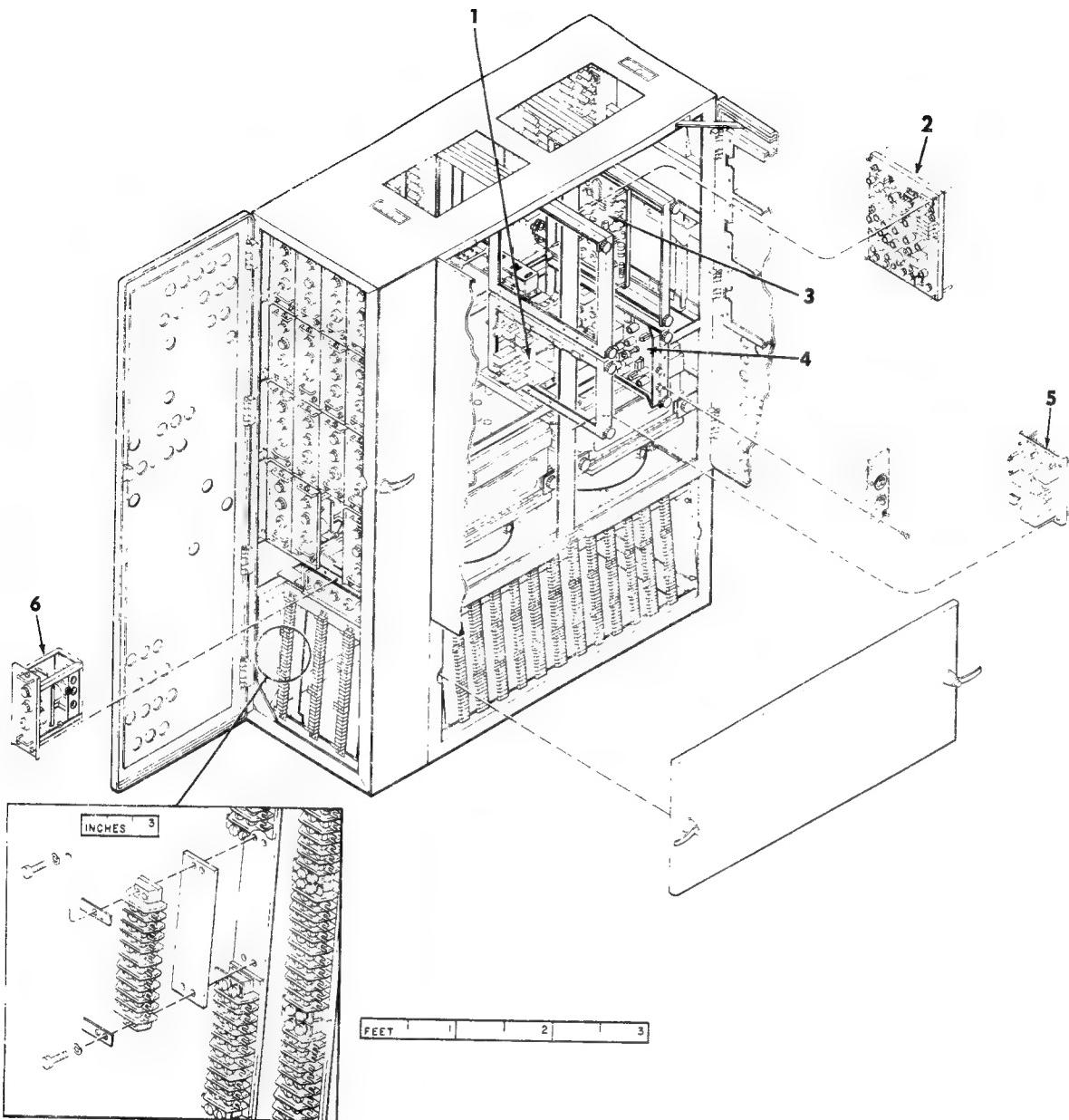
Figure 136. Switch, rotary (7611318) - exploded view



ORD G284221

- 1 GENERATOR 9143780
- 2 MONITOR 9156506
- 3 FILTER 9996138
- 4 GENERATOR 8171572
- 5 CONVERTER 9008187
- 6 CONTROL 9007334

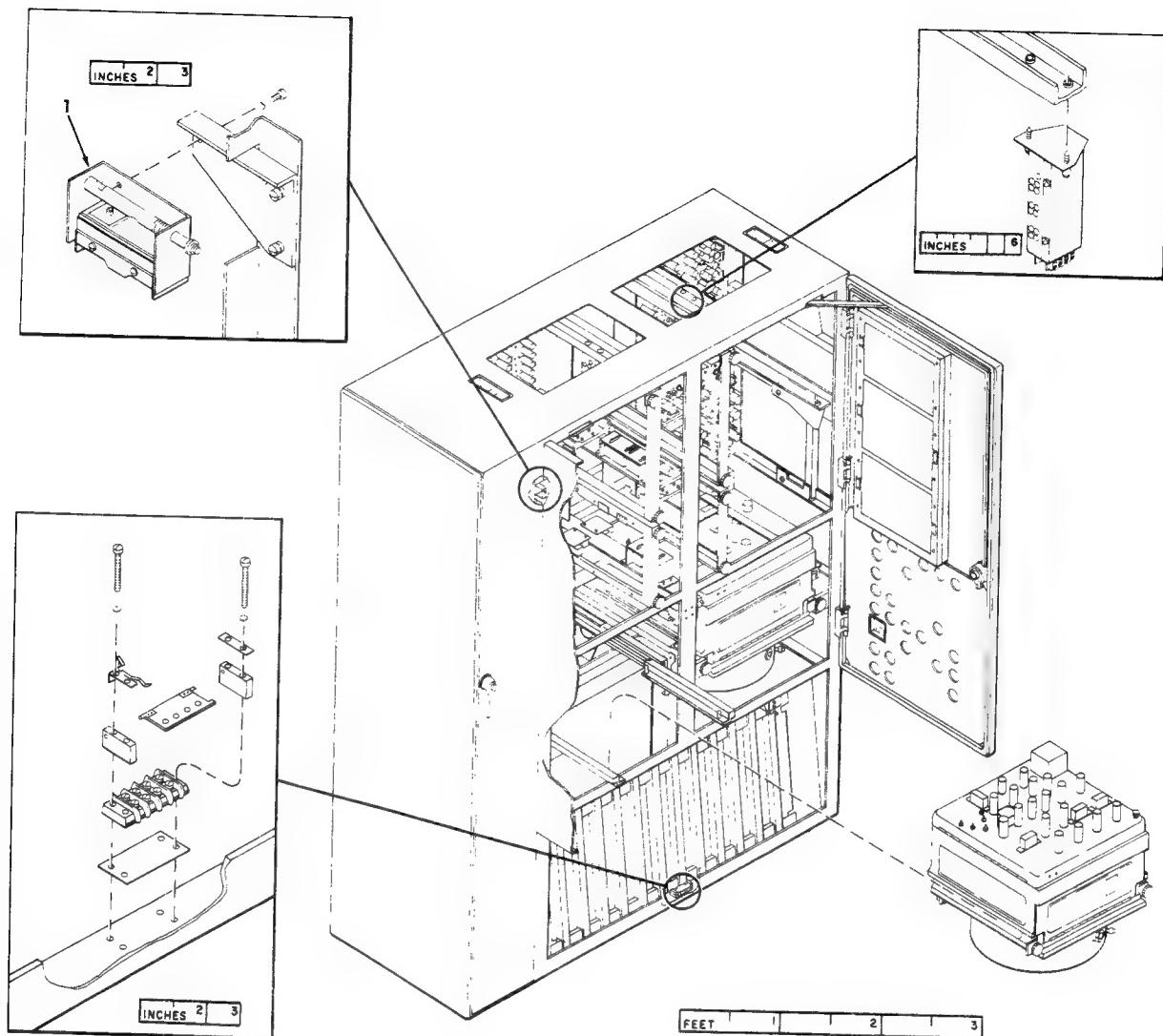
Figure 137. Radar set group (9141141) - partial exploded view



ORD G284222

- 1 AMPLIFIER 9155814
- 2 CONVERTER 9140771
- 3 GENERATOR ASSEMBLY
9143996
- 4 GENERATOR 8173973
- 5 AMPLIFIER 8517944
- 6 CONTROL 8608199

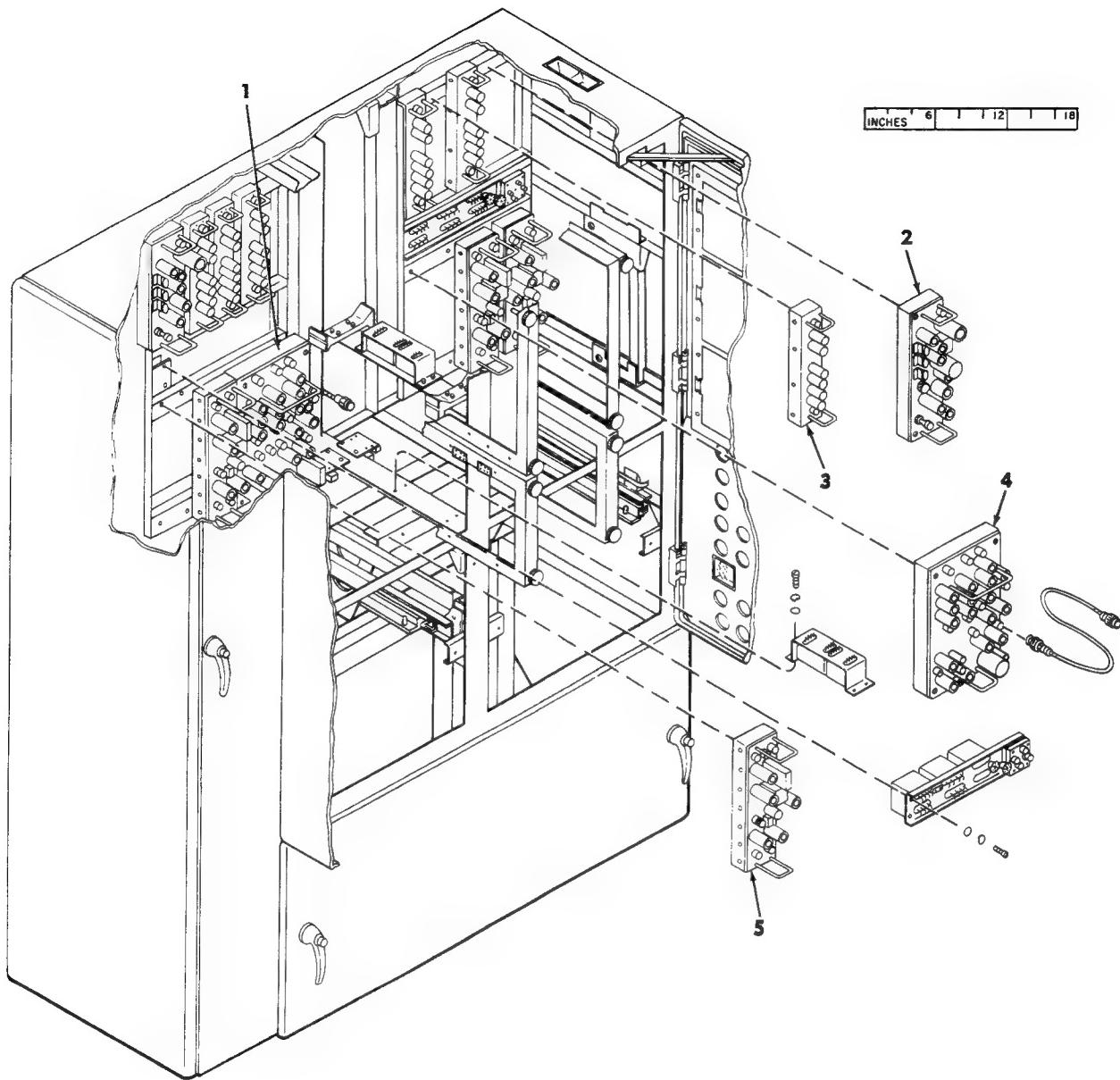
Figure 138. Radar set group (9141141)—partial exploded view



ORD G284223

1 SWITCH 7602749

Figure 139. Radar set group (9141141) – partial exploded view

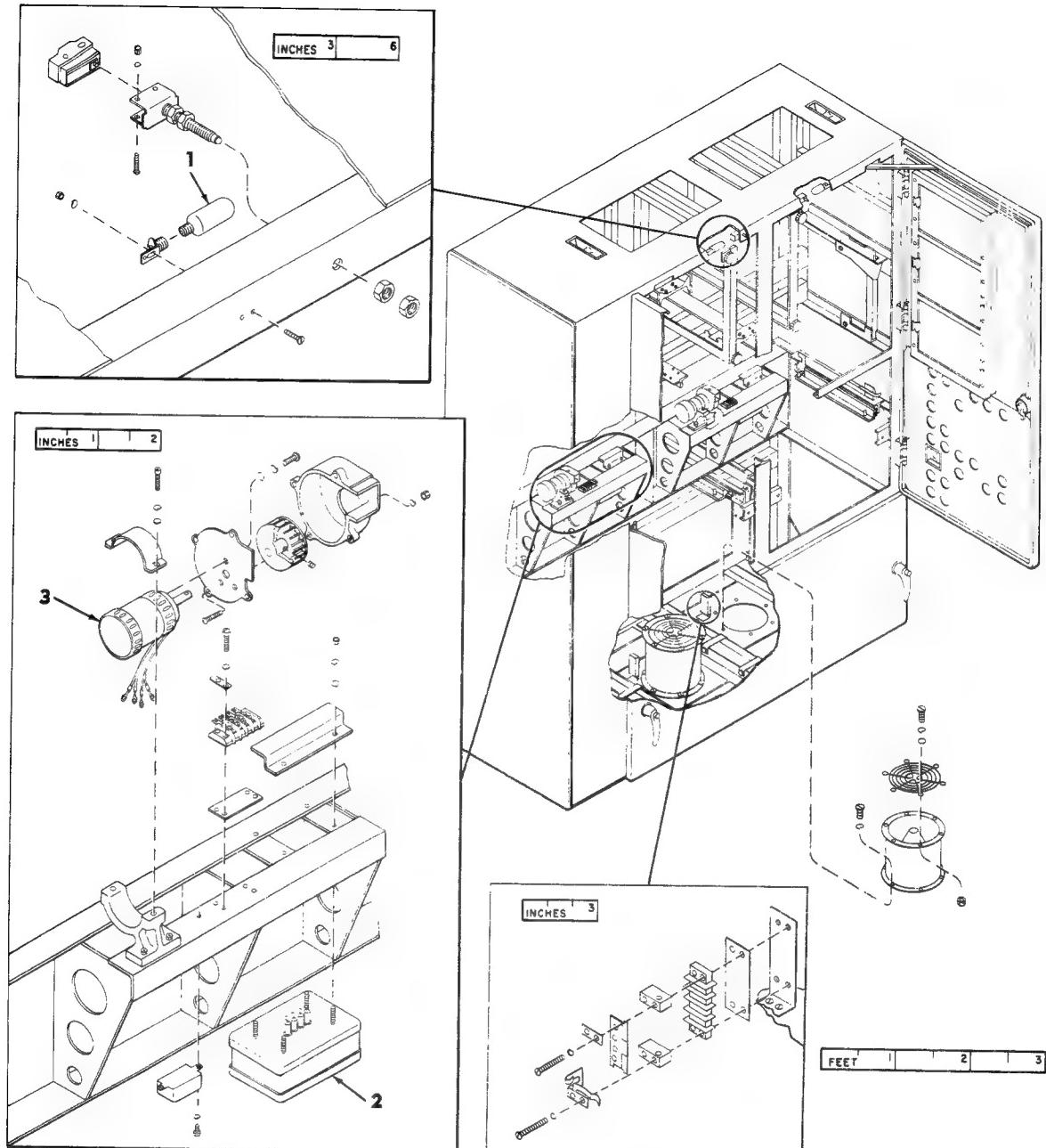


ORD G284224

1 AMPLIFIER-DETECTOR
 9009562
2 CONTROL 9009464
3 AMPLIFIER 9009281

4 AMPLIFIER-DETECTOR
 9997999
5 DETECTOR 9009270

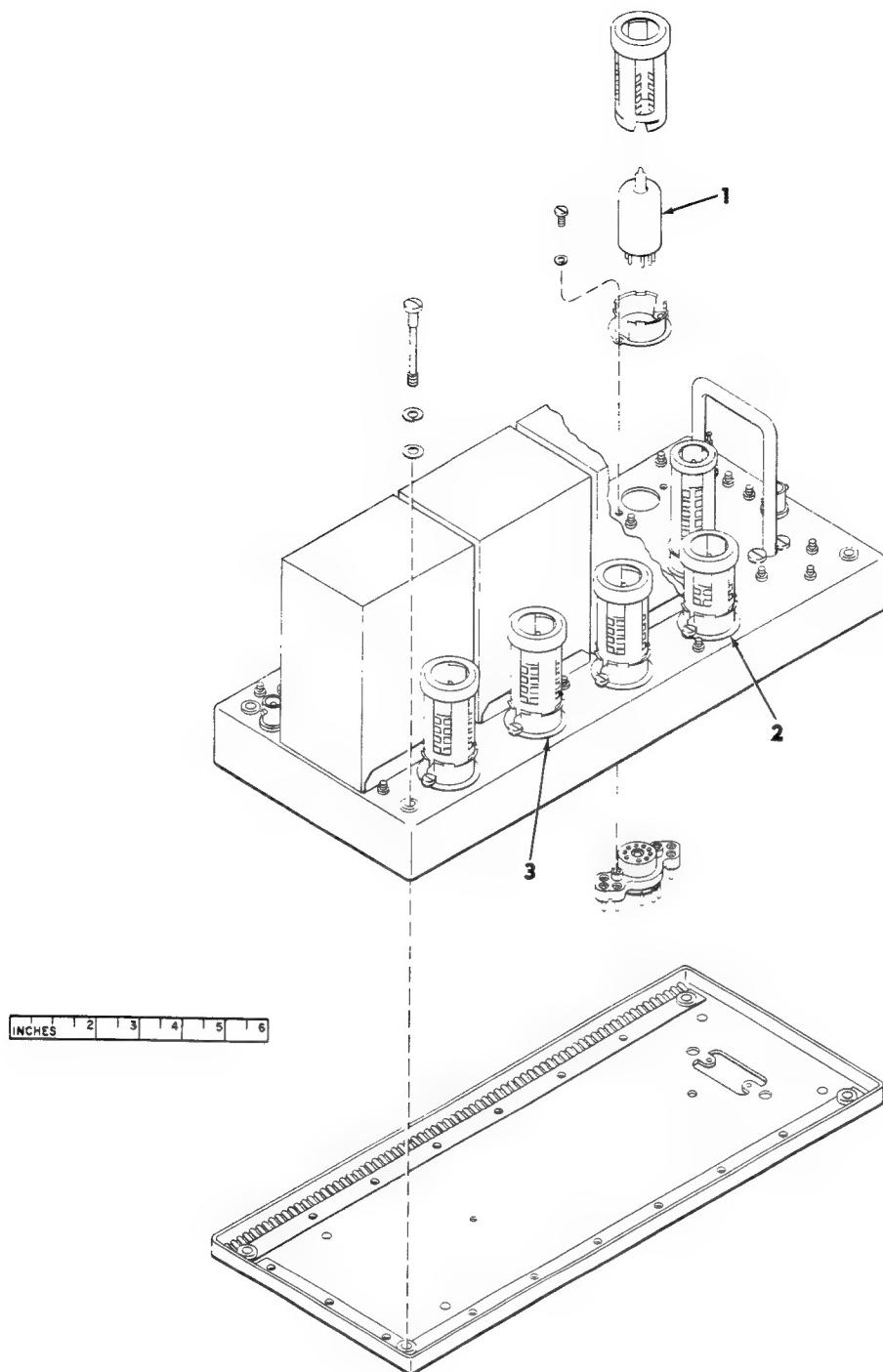
Figure 140. Radar set group (9141141)—partial exploded view



ORD G284225

- 1 LAMP 8176510
 2 REGULATOR 8015382
 3 MOTOR 7599786

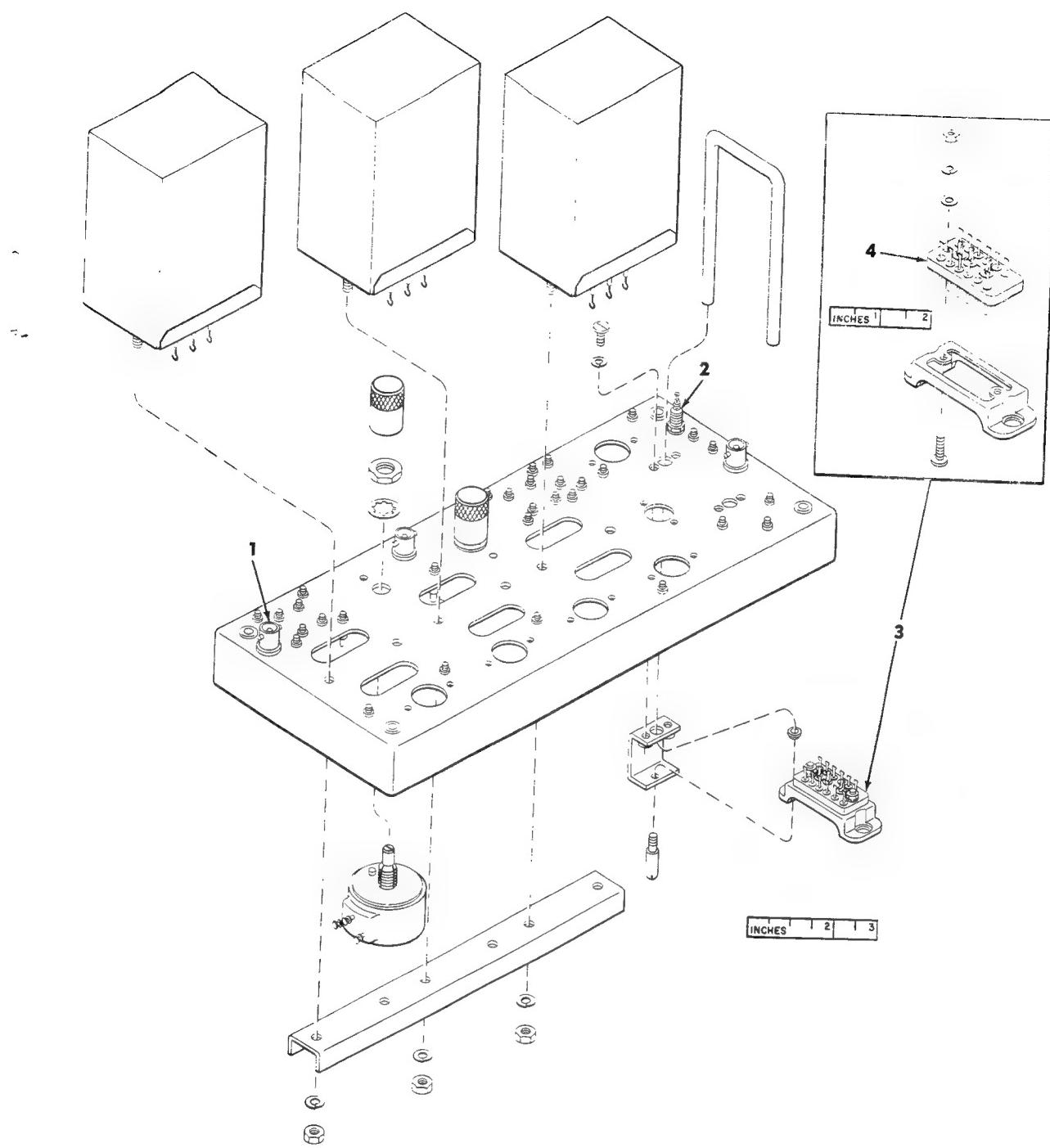
Figure 141. Radar set group (9141141)—partial exploded view



ORD G284226

- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 5670
- 3 ELECTRON TUBE 5751

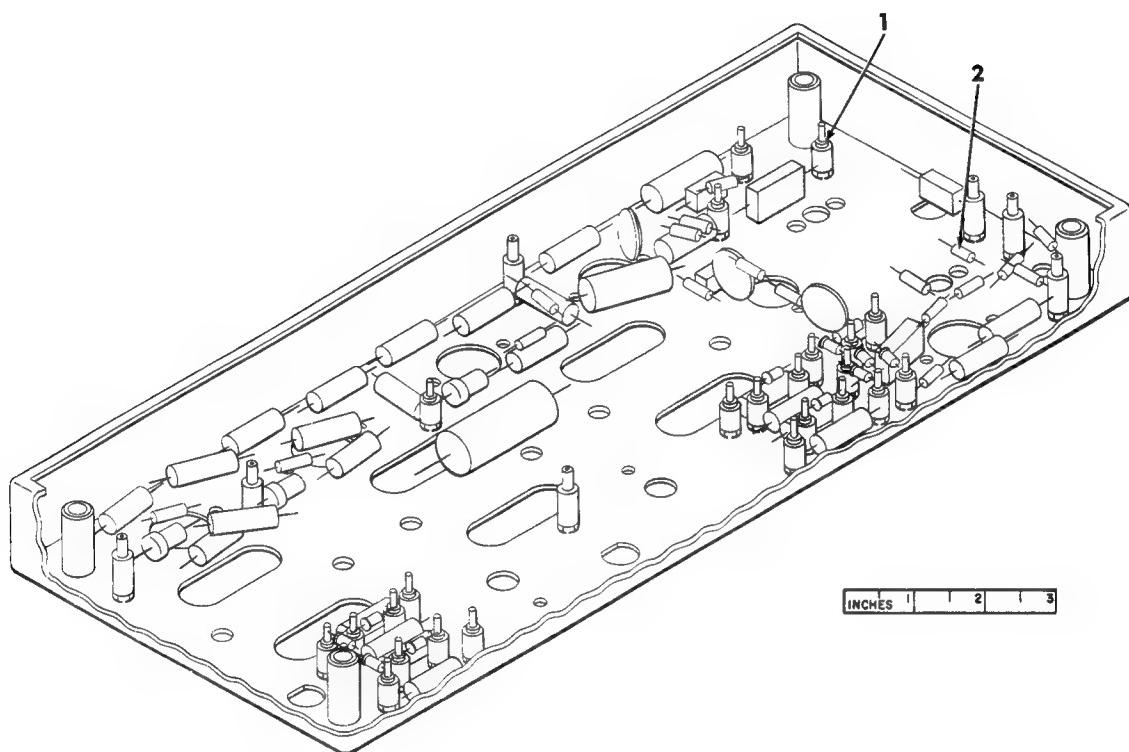
Figure 142. Converter, wave form (9008187) - partial exploded view



- 1 CONNECTOR MS-27035-625B
 2 JACK 8175216
 3 CONNECTOR 7598051
 4 CONNECTOR 7598934

ORD G284227

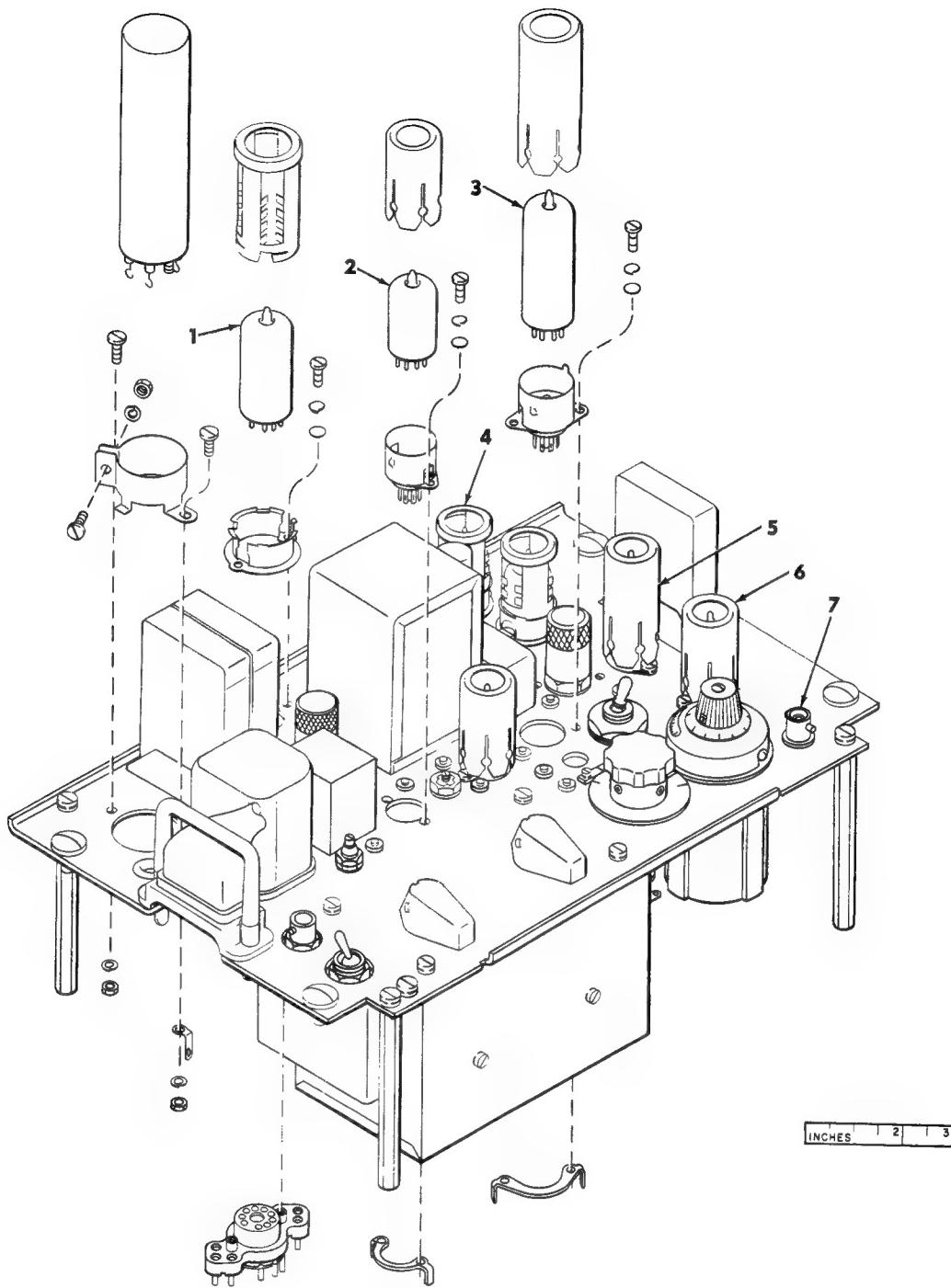
Figure 143. Converter, wave form (9008187)—partial exploded view



ORD G259987

1 TERMINAL 7598949
2 SEMICONDUCTOR DEVICE IN198

Figure 144. Converter, wave form (9008187)—partial exploded view

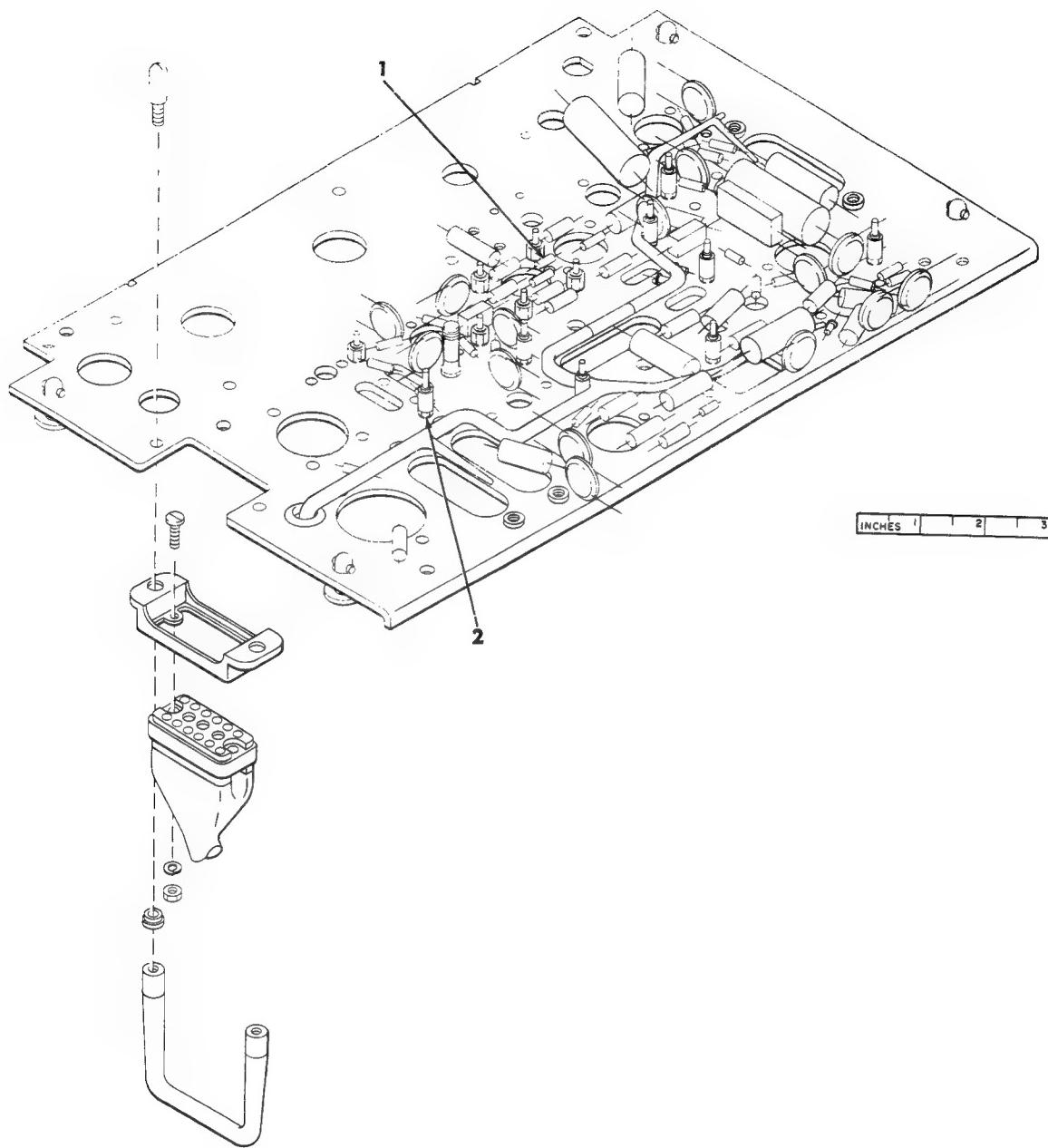


1 ELECTRON TUBE 5687WA
 2 ELECTRON TUBE 6AK5WH
 3 ELECTRON TUBE 5763
 4 ELECTRON TUBE 5670

5 ELECTRON TUBE 8175281
 6 ELECTRON TUBE 5726/6AL5W
 7 CONNECTOR MS-27035-625B

ORD G284228

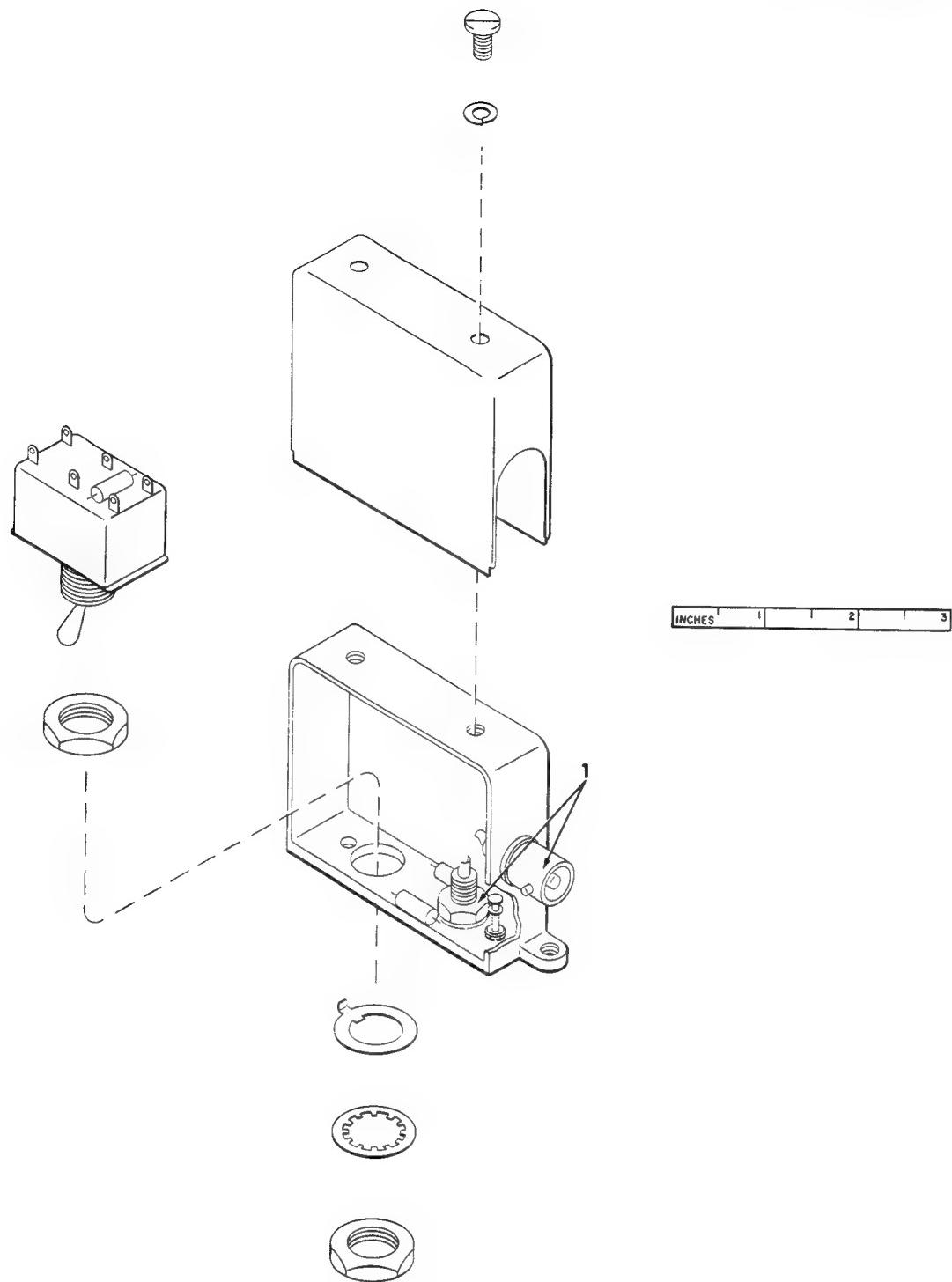
Figure 145. Generator, signal (9143780)—partial exploded view



ORD G259978

1 CRYSTAL UNIT 8024445
2 TERMINAL 7598949

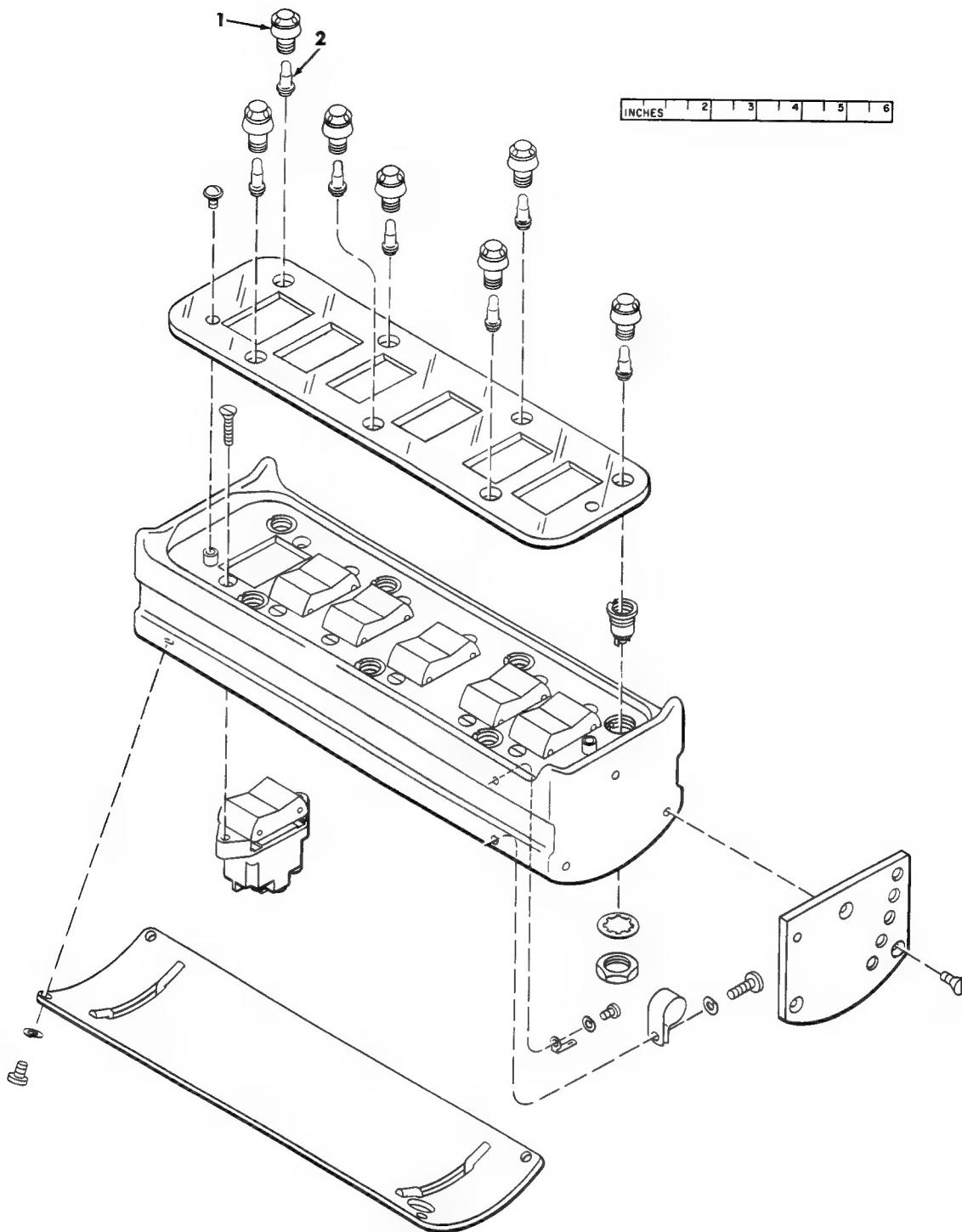
Figure 146. Generator, signal (9143780)—partial exploded view



ORD G284229

1 CONNECTOR MS-27035-6258

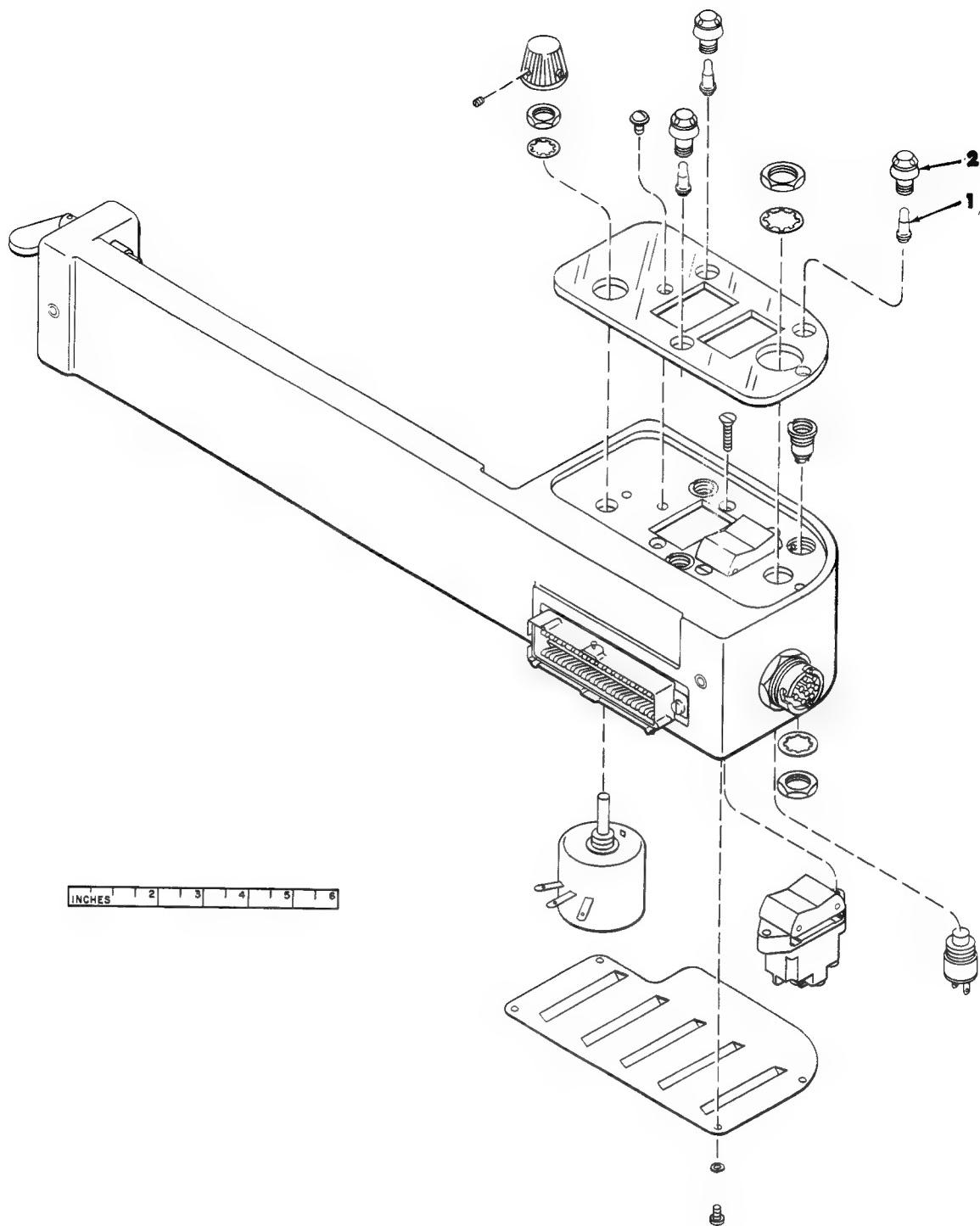
Figure 147. Network 9156478)—exploded view



ORD G263391

1 LENS 9976464
 2 LAMP MS-25237-327

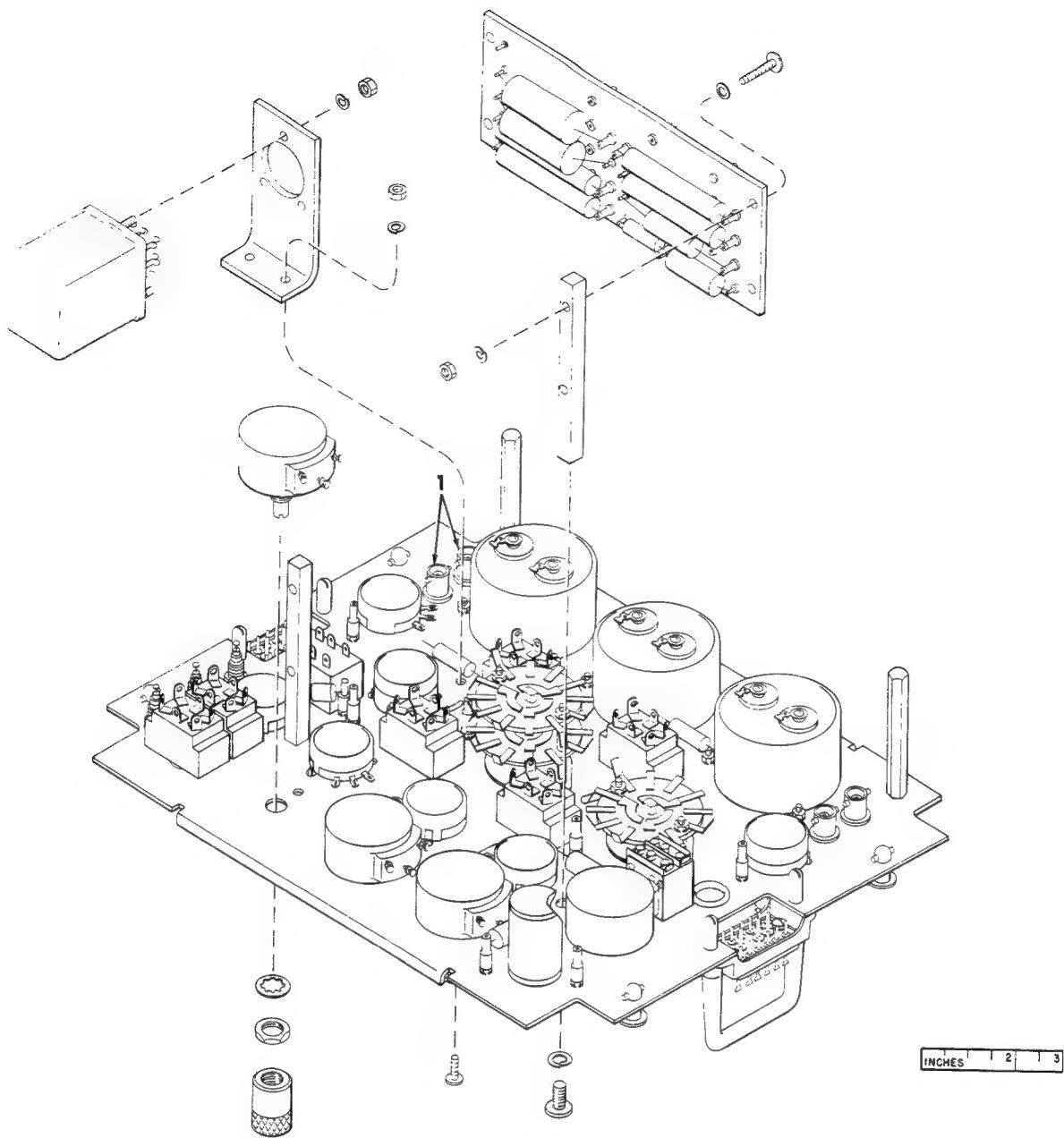
Figure 148. Control, transmitter (9156446)—exploded view



ORD G263392

1 LAMP MS-25237-327
 2 LENS 9976464

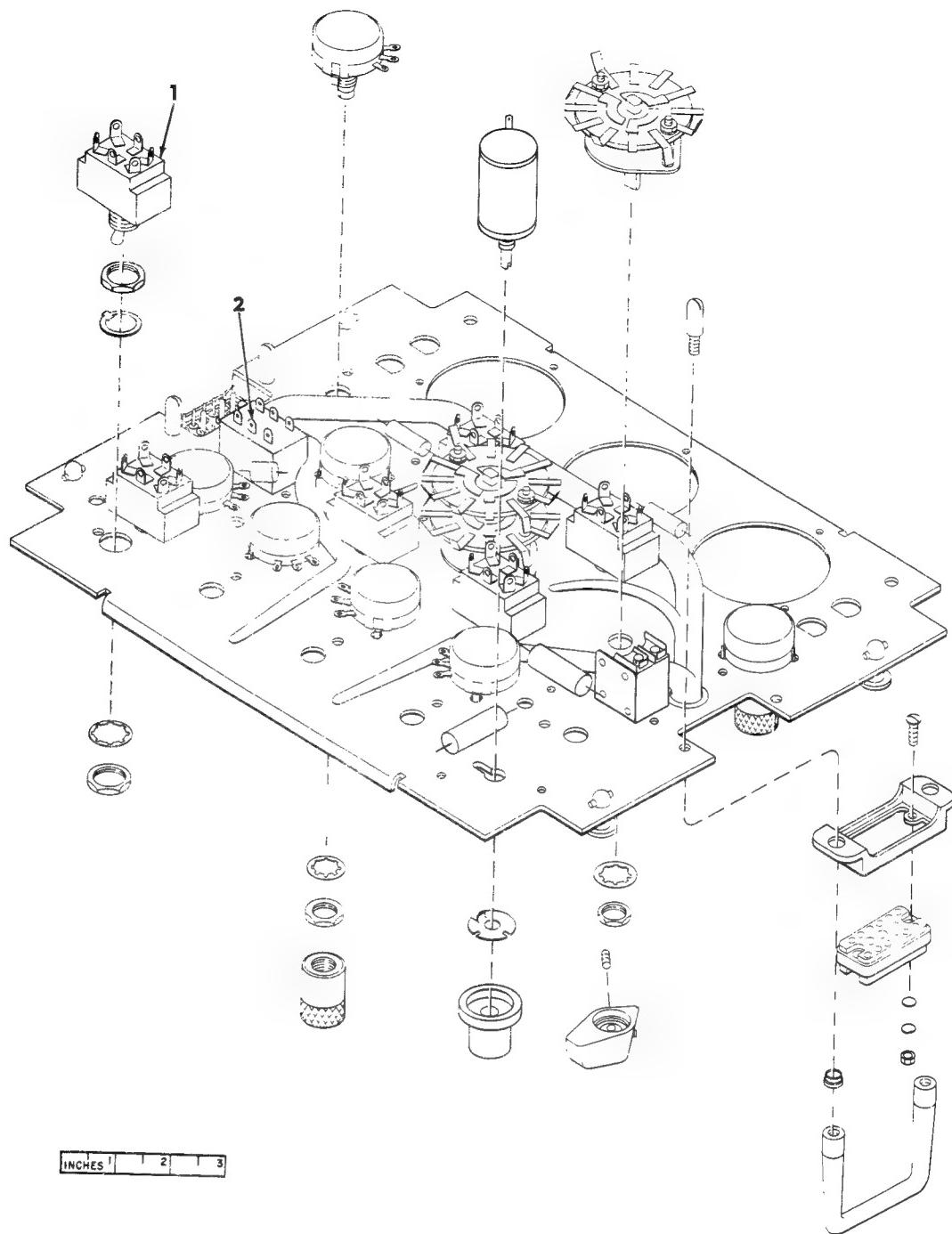
Figure 149. Control, transmitter (9156445)—exploded view



ORD G284230

1 CONNECTOR MS-27035-6258

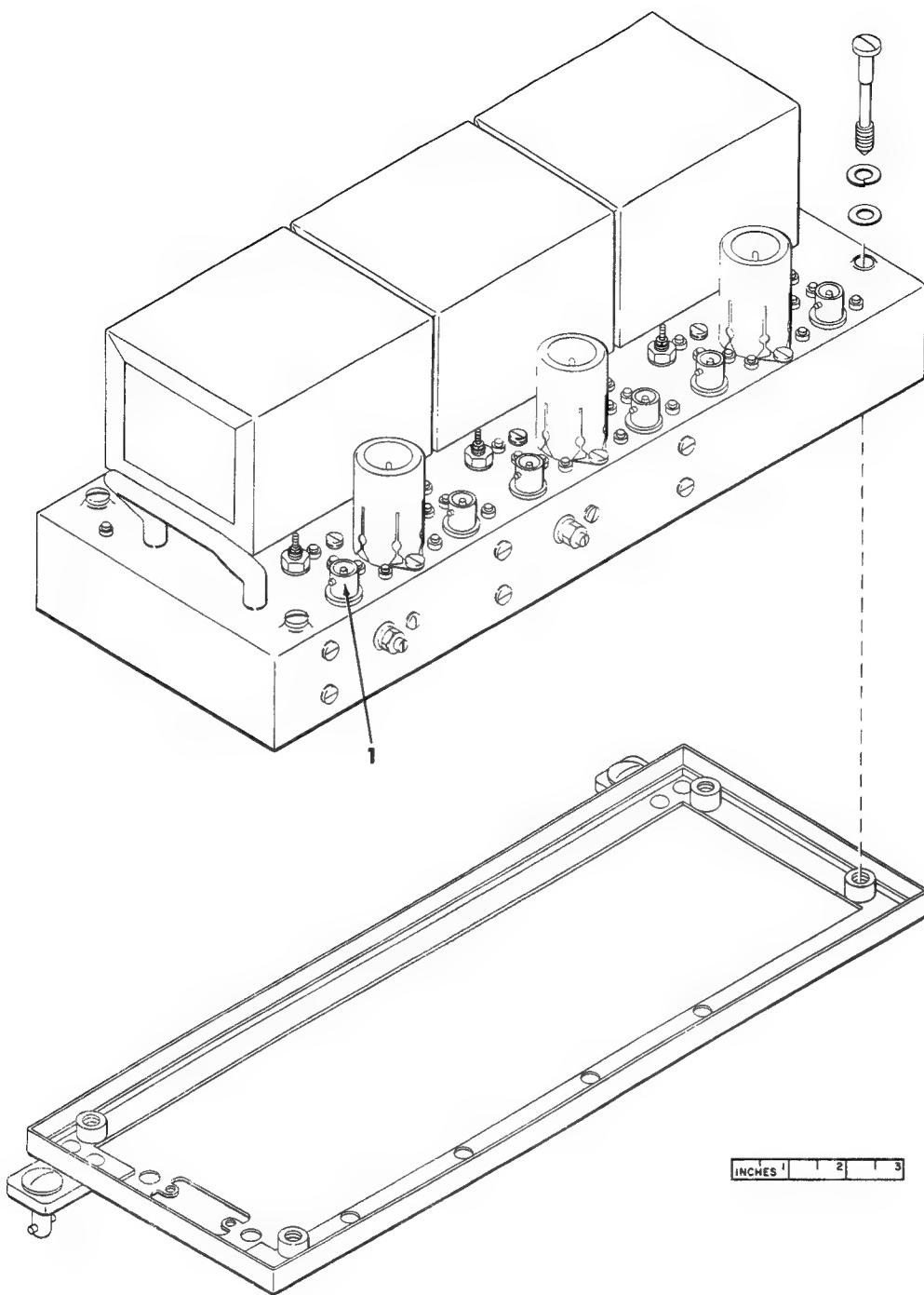
Figure 150. Monitor, error voltage (9156506)—partial exploded view



ORD G284231

1 SWITCH MS-35059-26
 2 SWITCH MS-25100-23

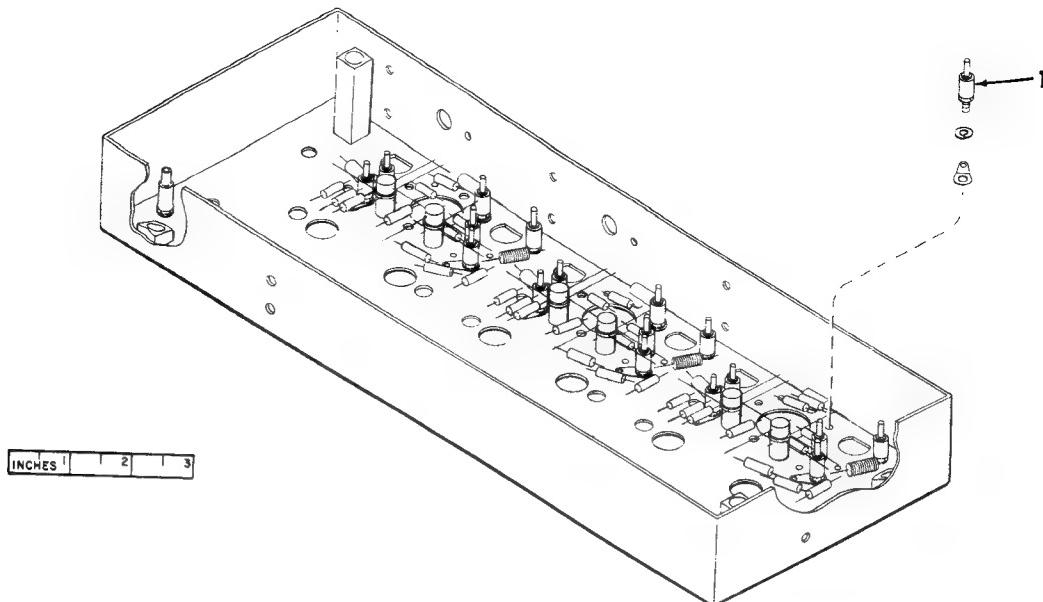
Figure 151. Monitor, error voltage (9156506) - partial exploded view



ORD G284232

1 CONNECTOR MS-27035-625B

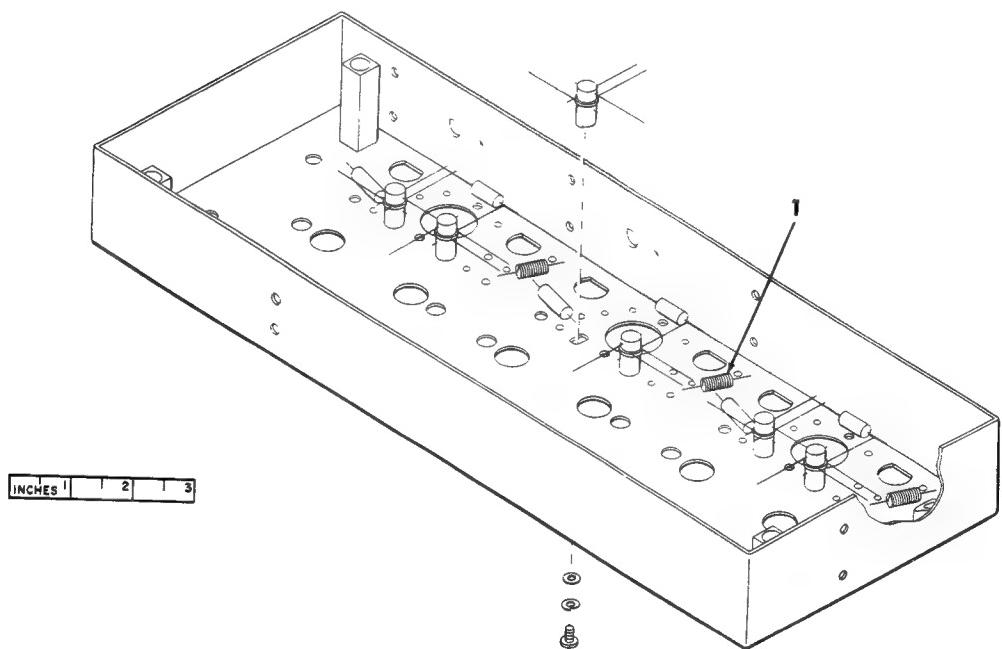
Figure 152. Filter, bandpass (9996138)—partial exploded view



ORD G284233

1 TERMINAL 7598949

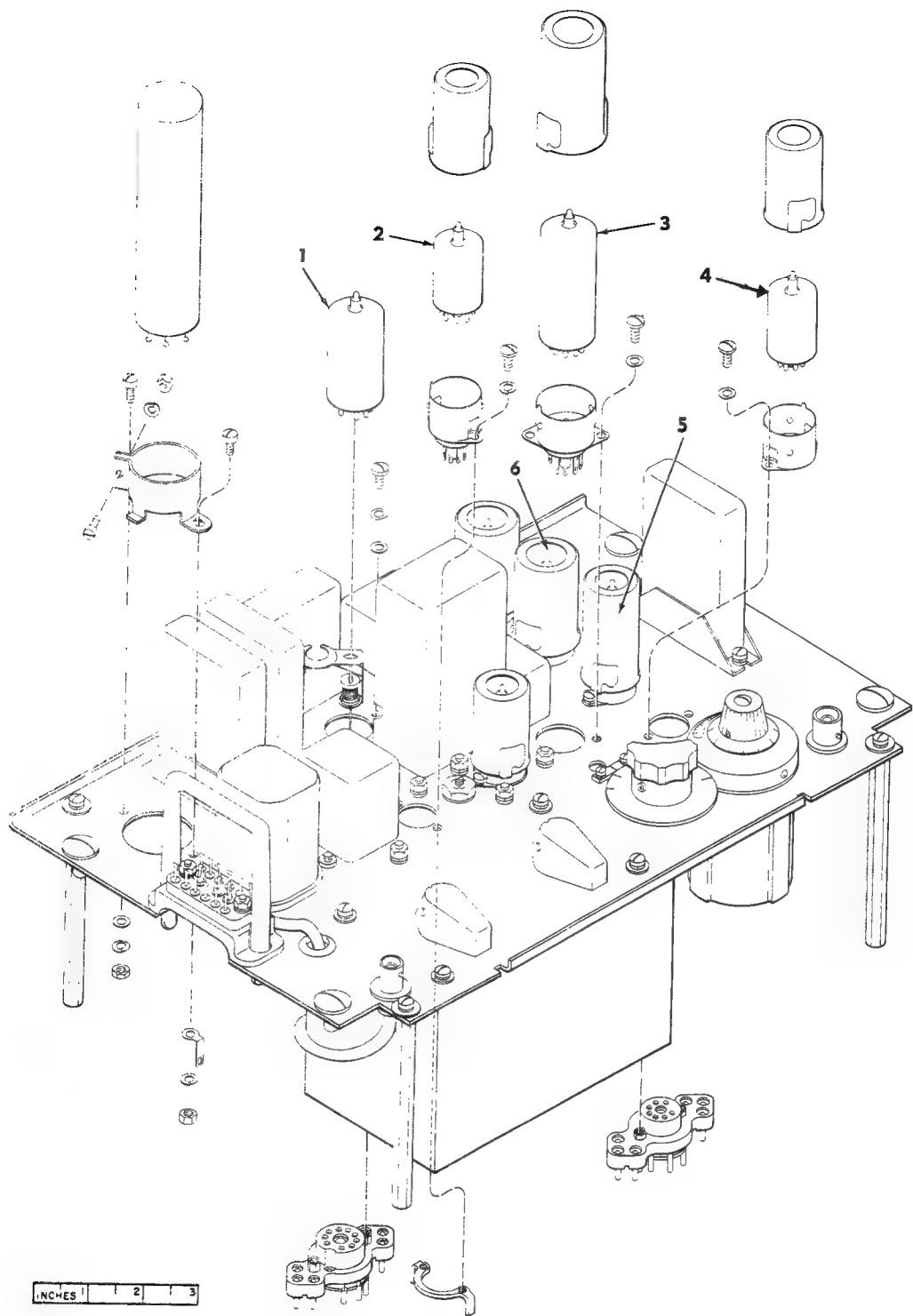
Figure 153. Filter, bandpass (9996138)-partial exploded view



ORD G284234

1 FILTER 8009590

Figure 154. Filter, bandpass (9996138)-partial exploded view

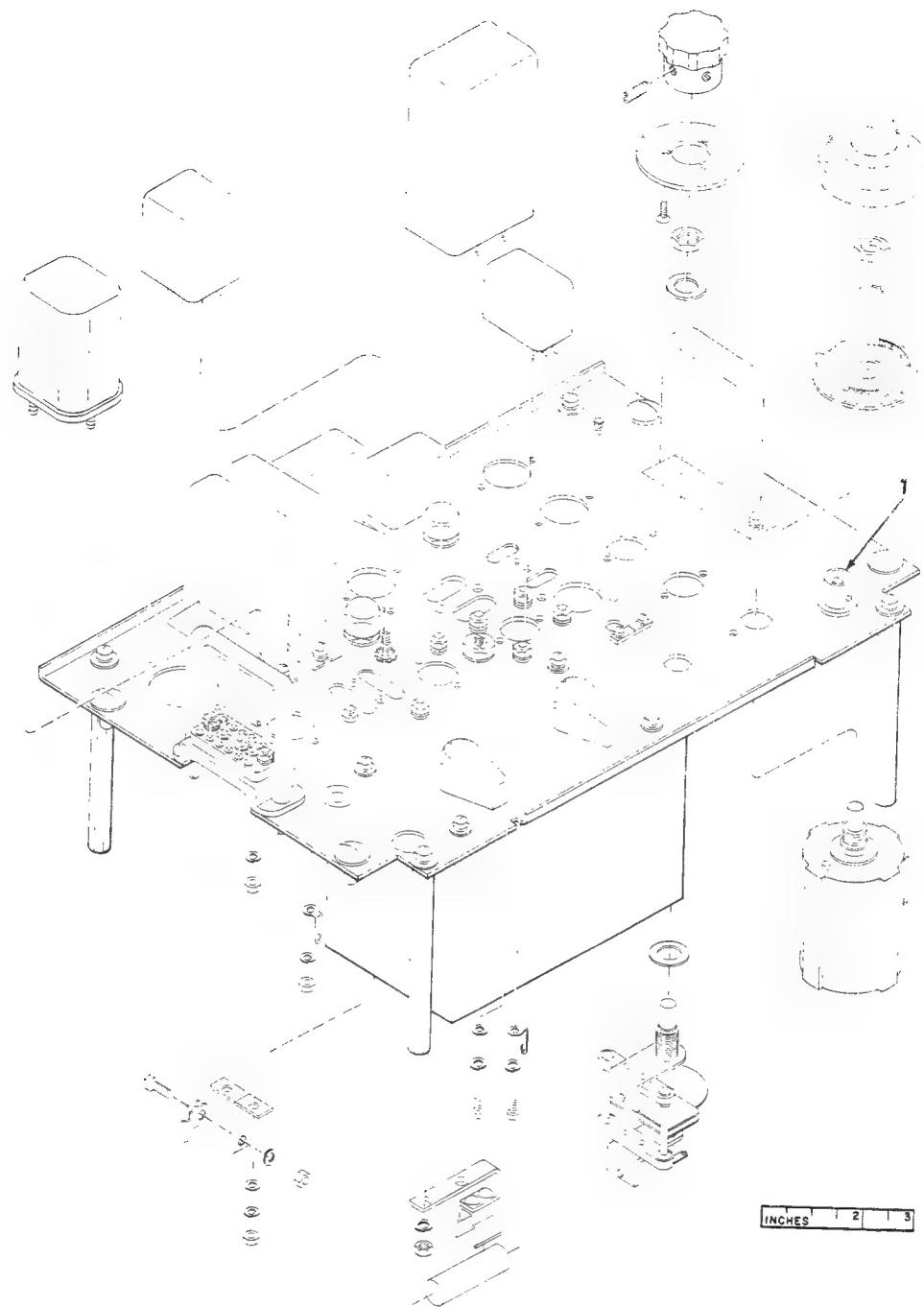


1 ELECTRON TUBE 5687WA
 2 ELECTRON TUBE 6AK5WB
 3 ELECTRON TUBE 5763

4 ELECTRON TUBE 5726/6AL5W
 5 ELECTRON TUBE 8175261
 6 ELECTRON TUBE 5670

ORD G284235

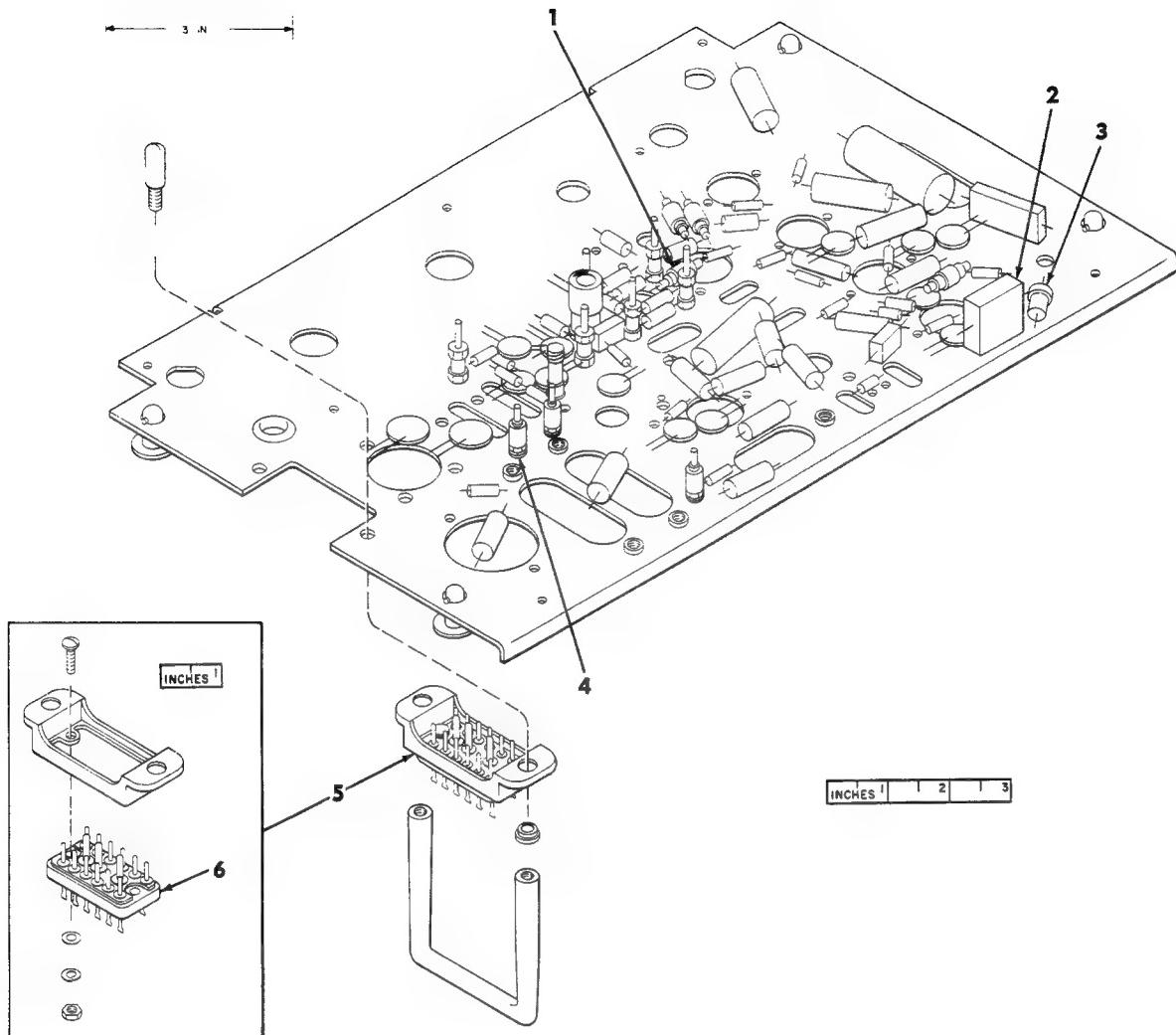
Figure 155. Generator, signal (8171572) - partial exploded view



ORD G284236

1 CONNECTOR MS-27035-625B

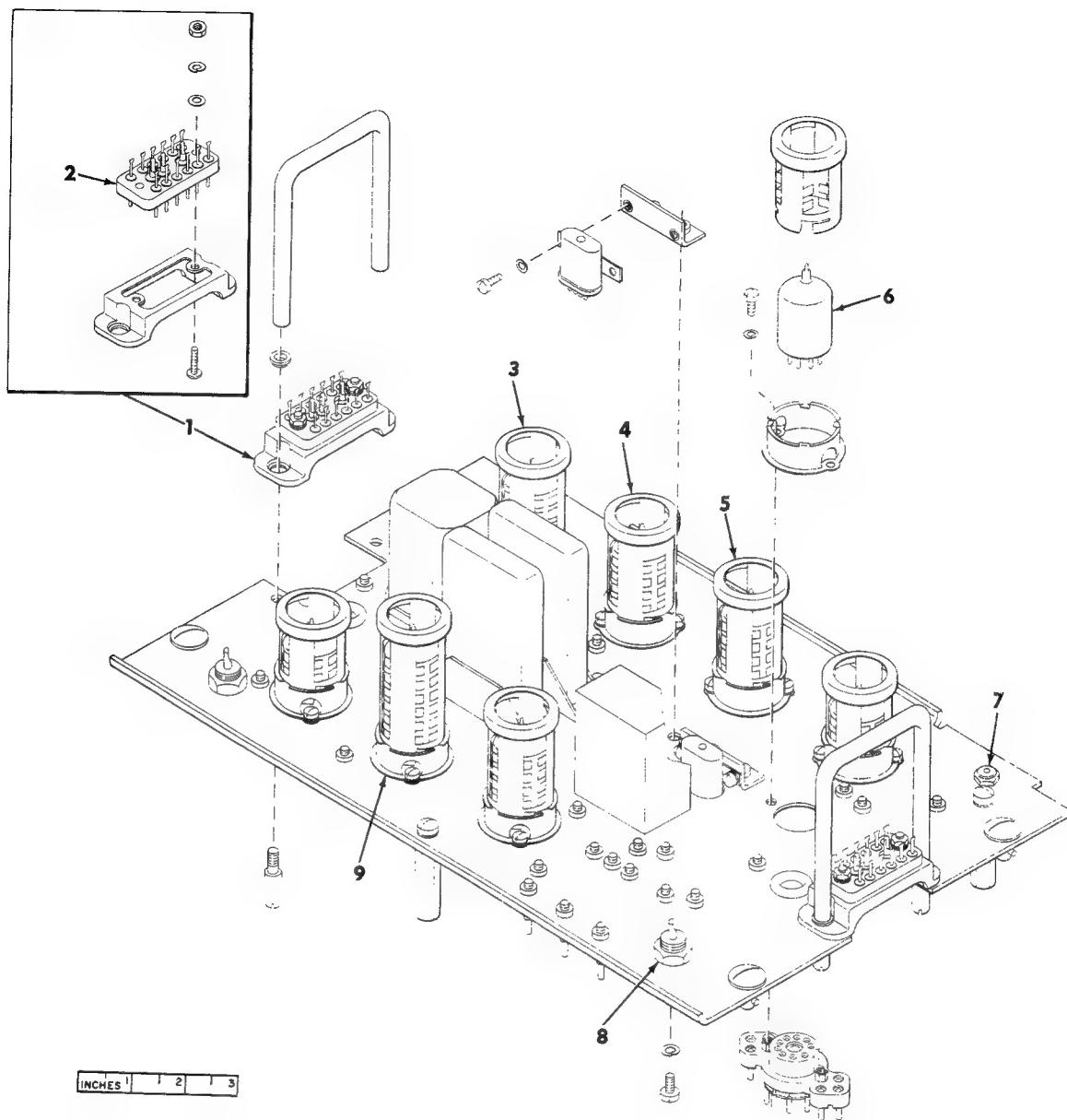
Figure 156. Generator, signal (8171572) - partial exploded view



ORD G284237

- | | |
|---|---------------------------------|
| 1 | SEMICONDUCTOR DEVICE
8175515 |
| 2 | CAPACITOR CM35E103J |
| 3 | CAPACITOR 8023439 |
| 4 | TERMINAL 7598949 |
| 5 | CONNECTOR 7598051 |
| 6 | CONNECTOR 7598934 |

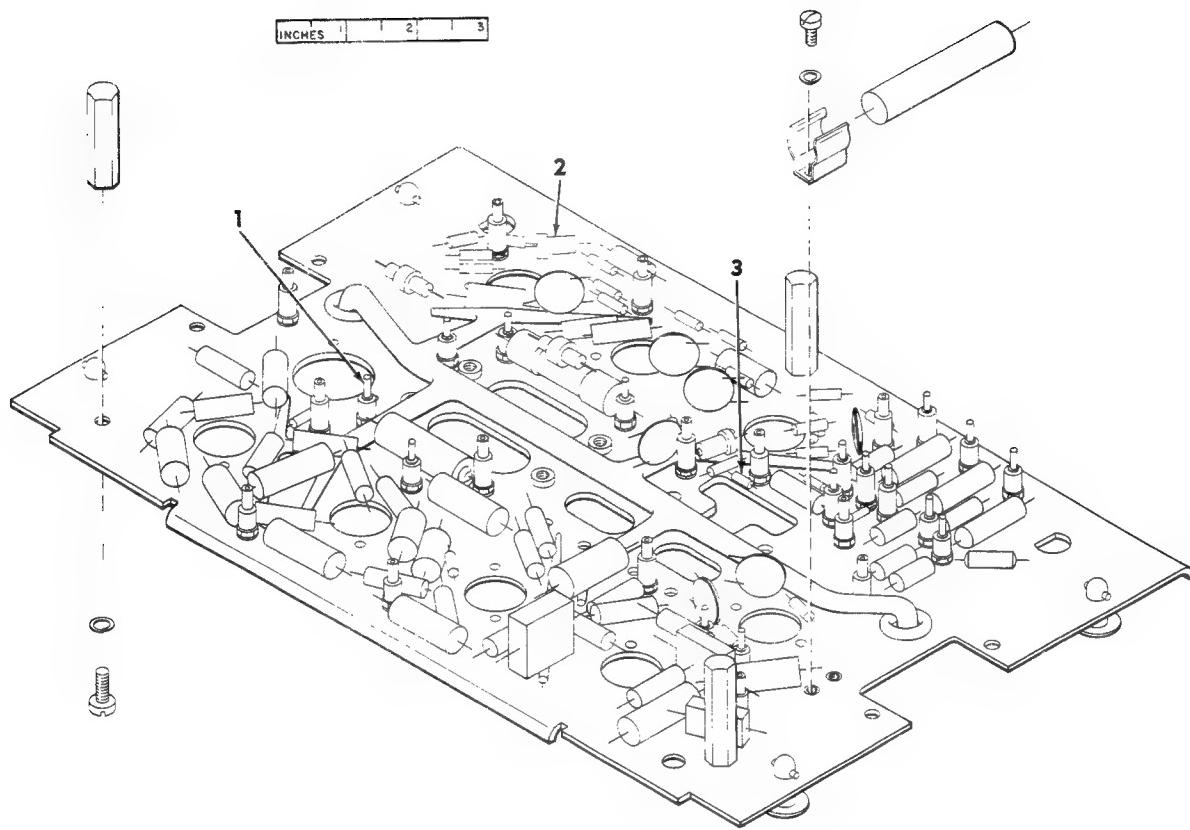
Figure 157. Generator, signal (8171572)—partial exploded view



ORD G284238

- | | | |
|-----------------------|------------------------|---------------------------|
| 1 CONNECTOR 7598051 | 4 ELECTRON TUBE 5687WA | 7 JACK 8175216 |
| 2 CONNECTOR 7598934 | 5 ELECTRON TUBE 5755 | 8 CONNECTOR MS-27035-6258 |
| 3 ELECTRON TUBE 5814A | 6 ELECTRON TUBE 5670 | 9 ELECTRON TUBE 6CL6 |

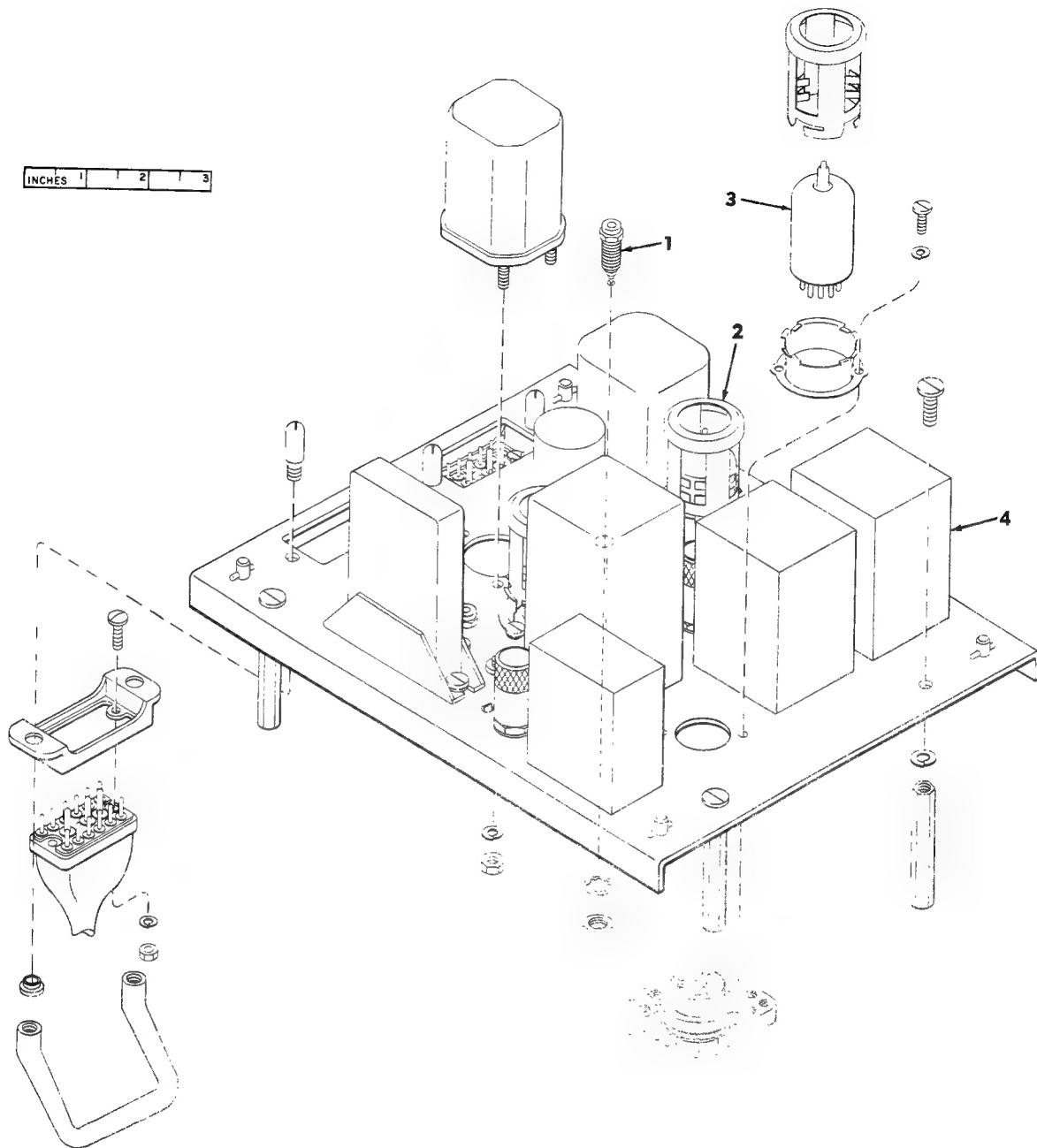
Figure 158. Control, receiver (9007334)—partial exploded view



ORD G284239

- 1 TERMINAL 7598949
- 2 CAPACITOR 8023439
- 3 SEMICONDUCTOR DEVICE IN199

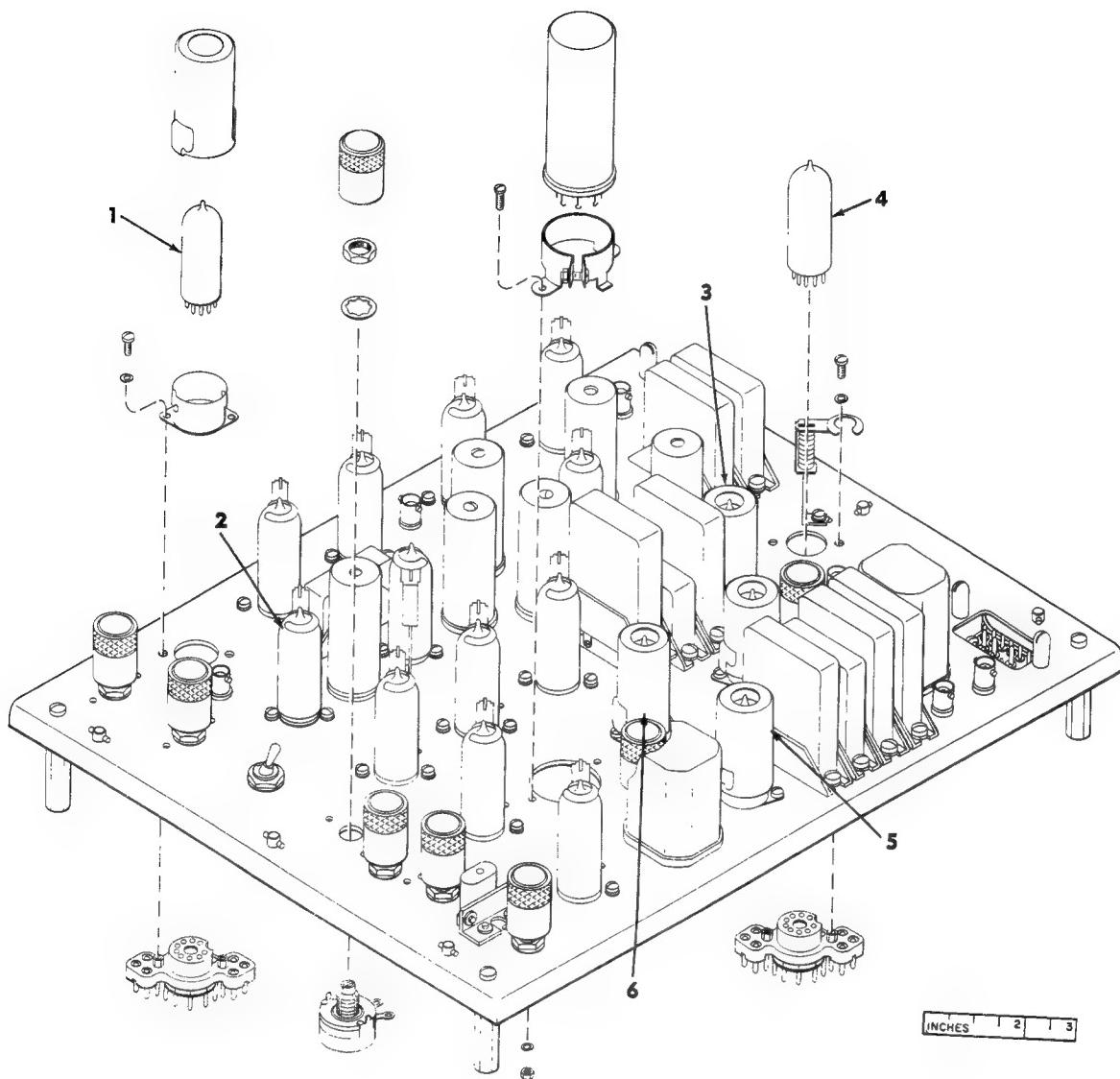
Figure 159. Control, receiver (9007334)–partial exploded view



ORD C284240

- 1 RON TUBE 5134425
- 2 ELETRON TUBE 5755
- 3 CAPACITOR 8010743
- 4

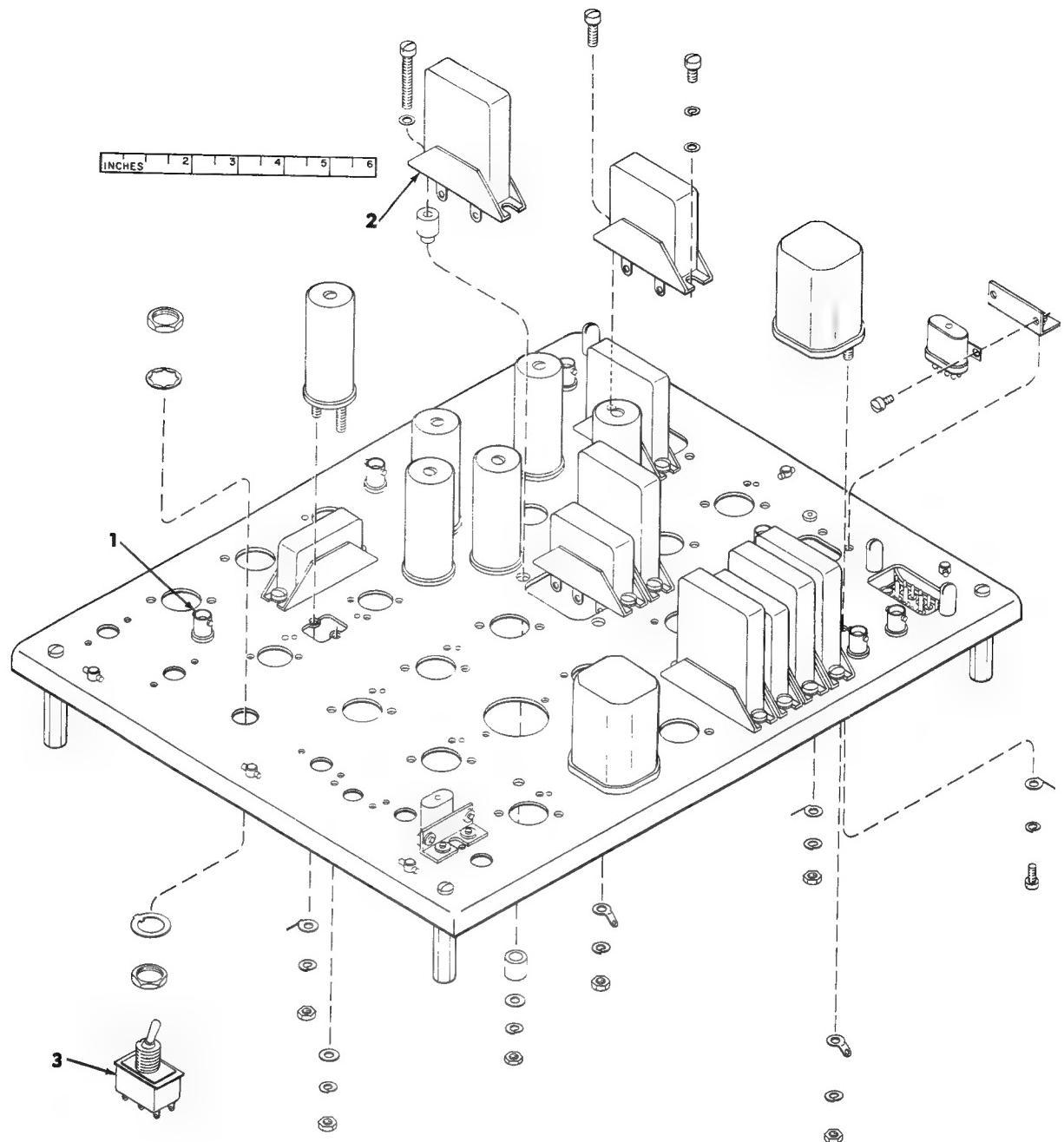
Figure 160. Amplifier, electronic control (9155814)—exploded view



ORD G284241

- 1 ELECTRON TUBE 5814A
- 2 ELECTRON TUBE 6005/6AQ5W
- 3 ELECTRON TUBE 5670
- 4 ELECTRON TUBE 5657WA
- 5 ELECTRON TUBE 572
- 6 ELECTRON TUBE 6AN6

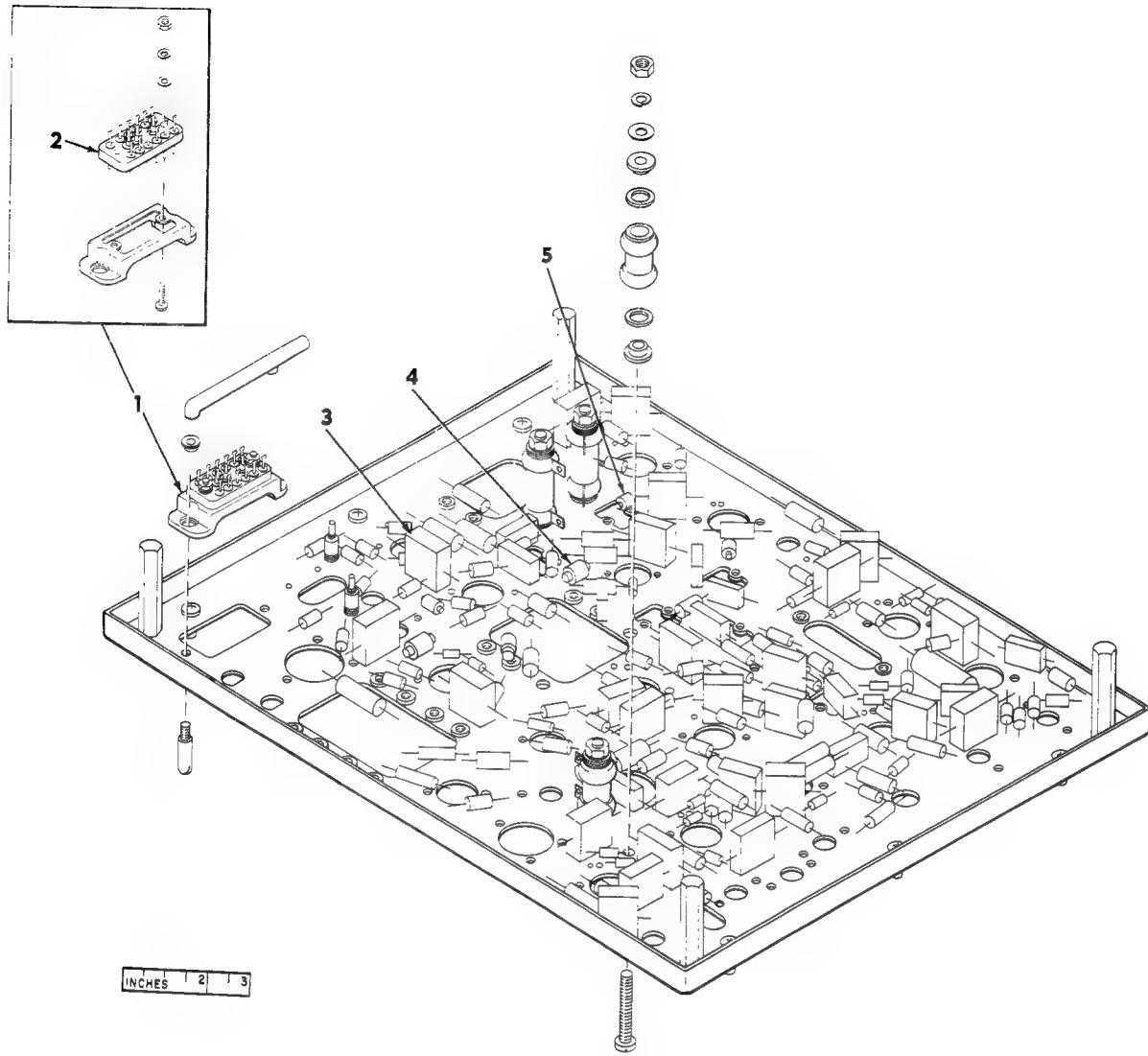
Figure 161. Converter, wave form (9140771)–partial exploded view



ORD G284242

- 1 CONNECTOR MS-27035-625B
- 2 CAPACITOR CP6981EF105K1
- 3 SWITCH MS-25100-23

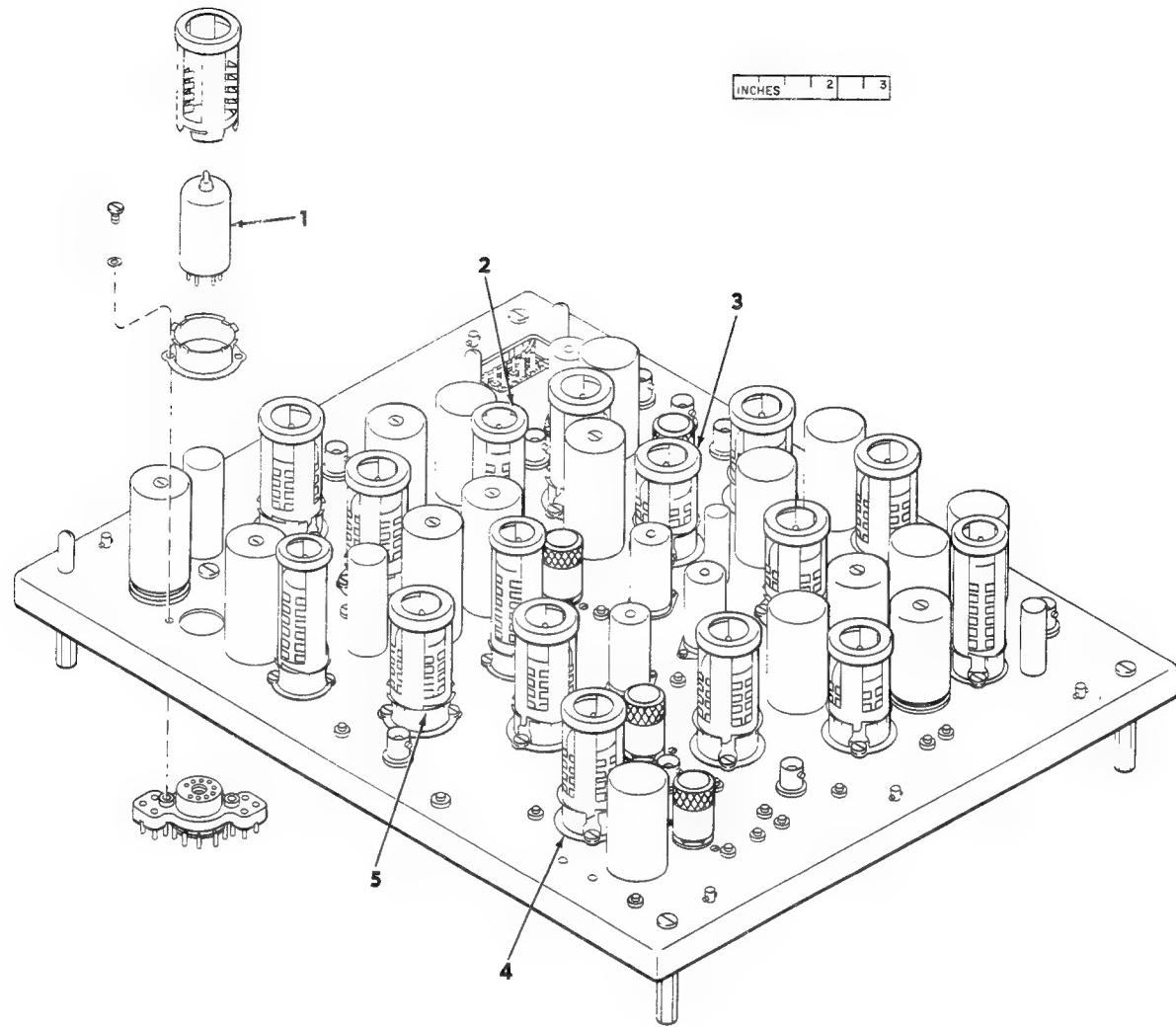
Figure 162. Converter, wave form (9140771)—partial exploded view



ORD G284243

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 CAPACITOR CM35E103J
- 4 SEMICONDUCTOR DEVICE 7598937
- 5 CRYSTAL UNIT 8019381

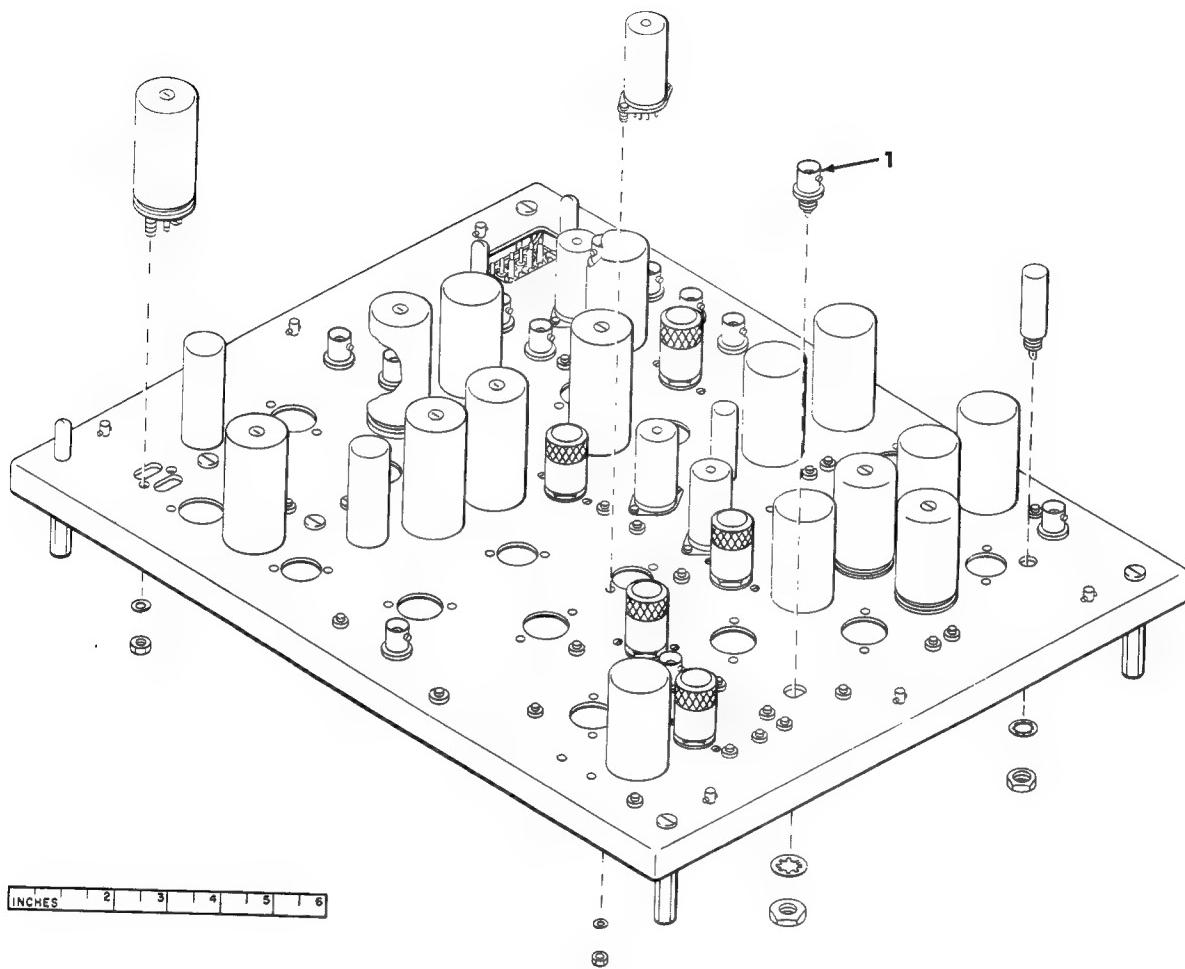
Figure 163. Converter, wave form (9140771) - partial exploded view



ORD G284244

- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 6005/6AQS
- 3 ELECTRON TUBE 5670
- 4 ELECTRON TUBE 5814A
- 5 ELECTRON TUBE 12AT7WA

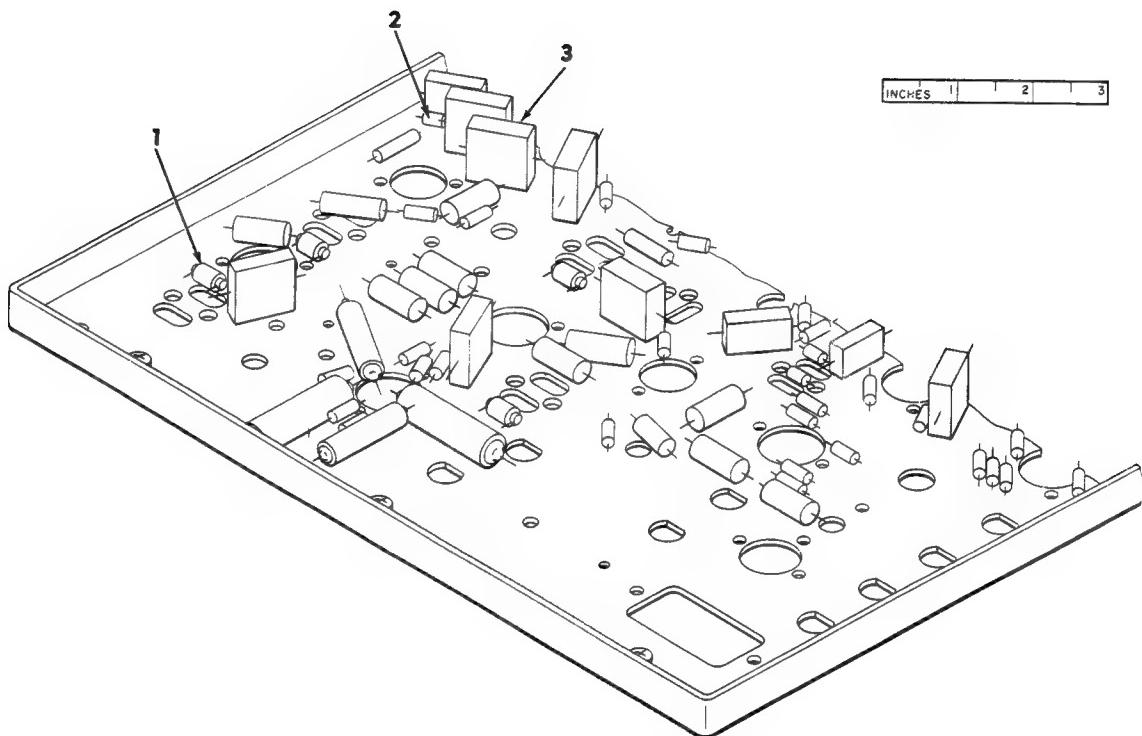
Figure 164. Generator assembly, pulse (9143996)—partial exploded view



ORD 284245

1 CONNECTOR MS-27035-625B

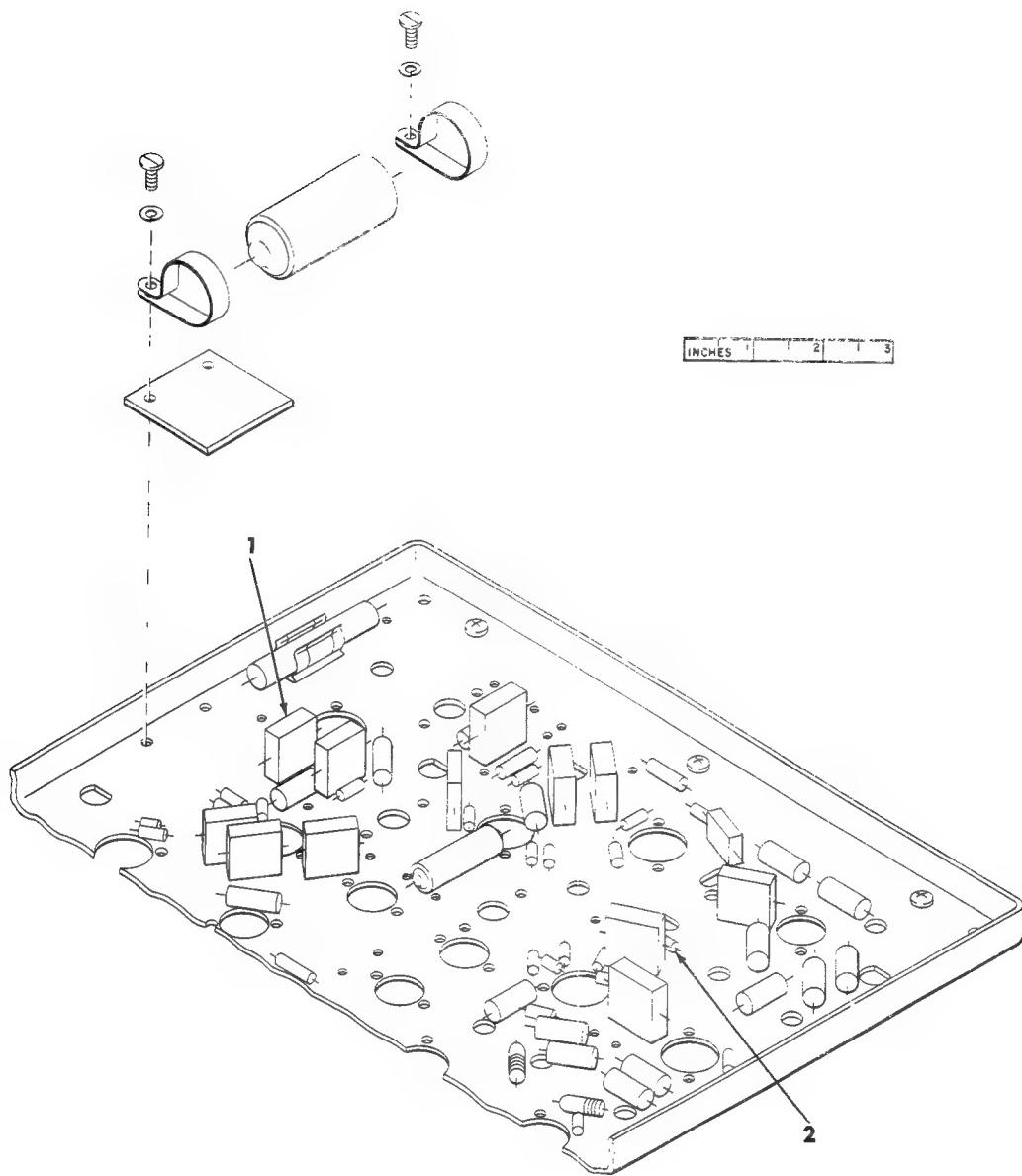
Figure 165. Generator assembly, pulse (9143996) - partial exploded view



ORD G284246

- 1 CRYSTAL UNIT 8019381
- 2 SEMICONDUCTOR DEVICE
TM198
- 3 CAPACITOR CM35E103J

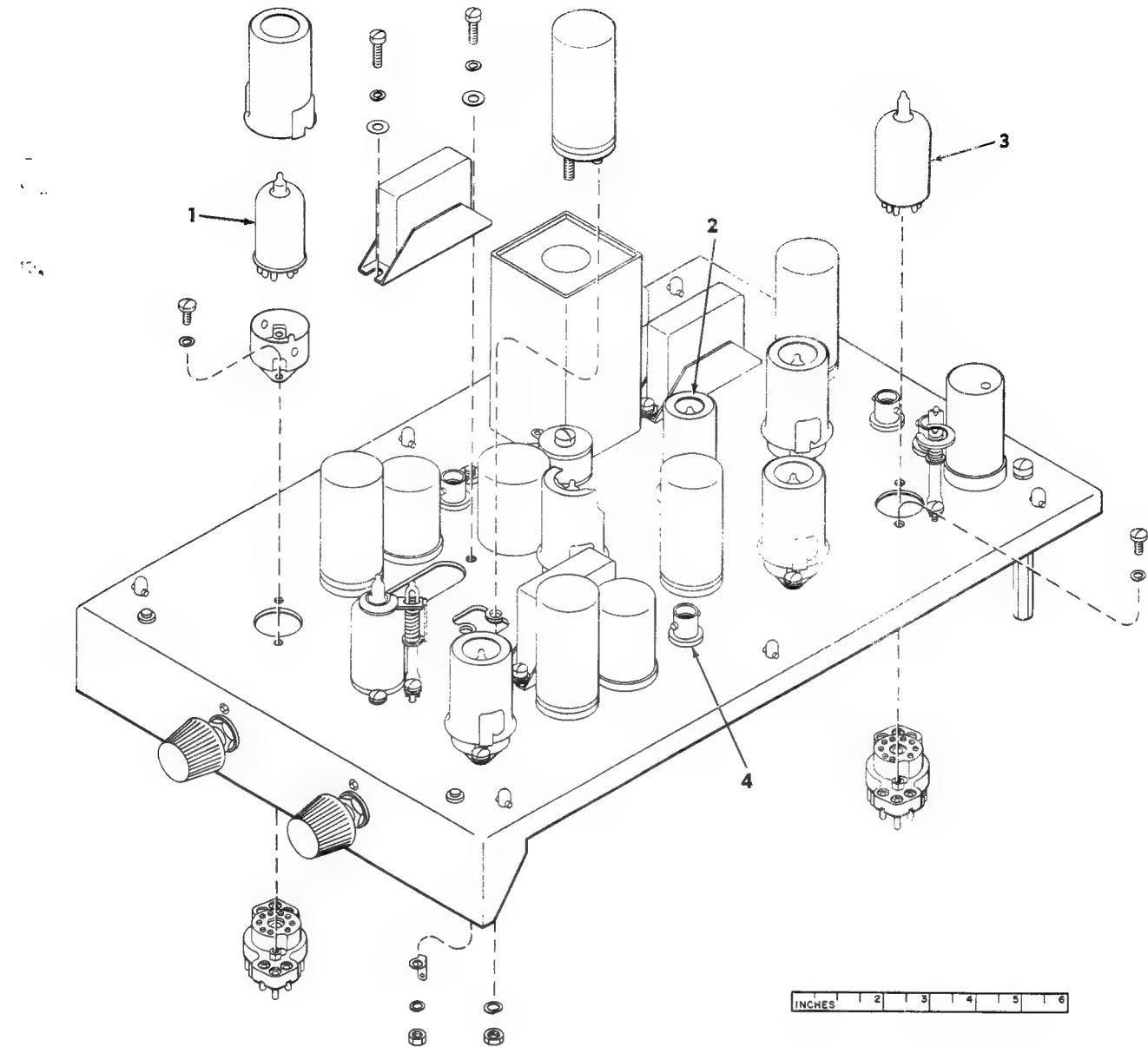
Figure 166. Generator assembly, pulse (9143996)–partial exploded view



ORD G284247

- 1 CAPACITOR CM35E103J
- 2 SEMICONDUCTOR DEVICE IN198

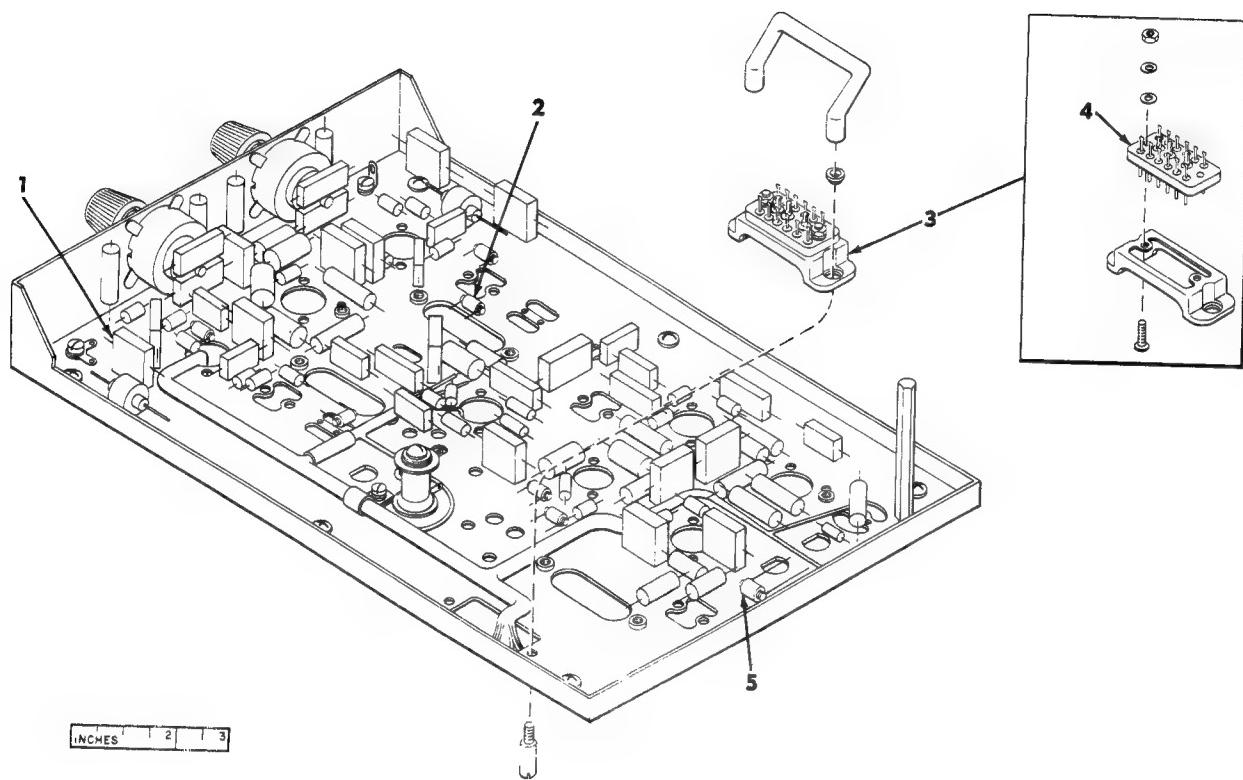
Figure 167. Generator assembly, pulse (9143996) - partial exploded view



- 1 ELECTRON TUBE 5670
 2 ELECTRON TUBE 6AH6
 3 ELECTRON TUBE 5687WA
 4 CONNECTOR MS-27035-6258

ORD G284248

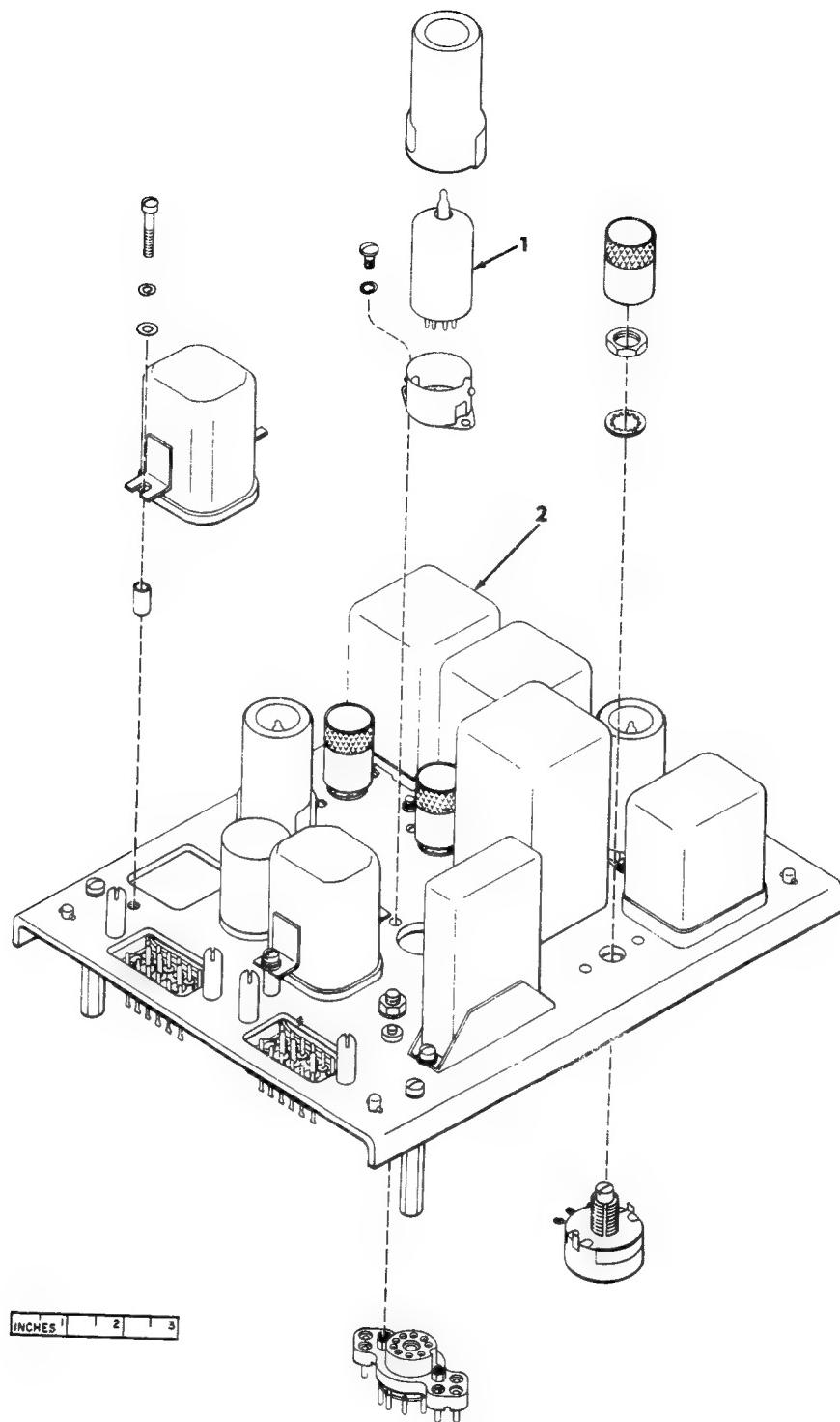
Figure 168. Generator, pulse (8173973)—partial exploded view



ORD G284249

- | | |
|-----------------------------------|------------------------|
| 1 CAPACITOR CM35E103J | 3 CONNECTOR 7598051 |
| 2 SEMICONDUCTOR DEVICE
7598937 | 4 CONNECTOR 7598934 |
| | 5 CRYSTAL UNIT 8019381 |

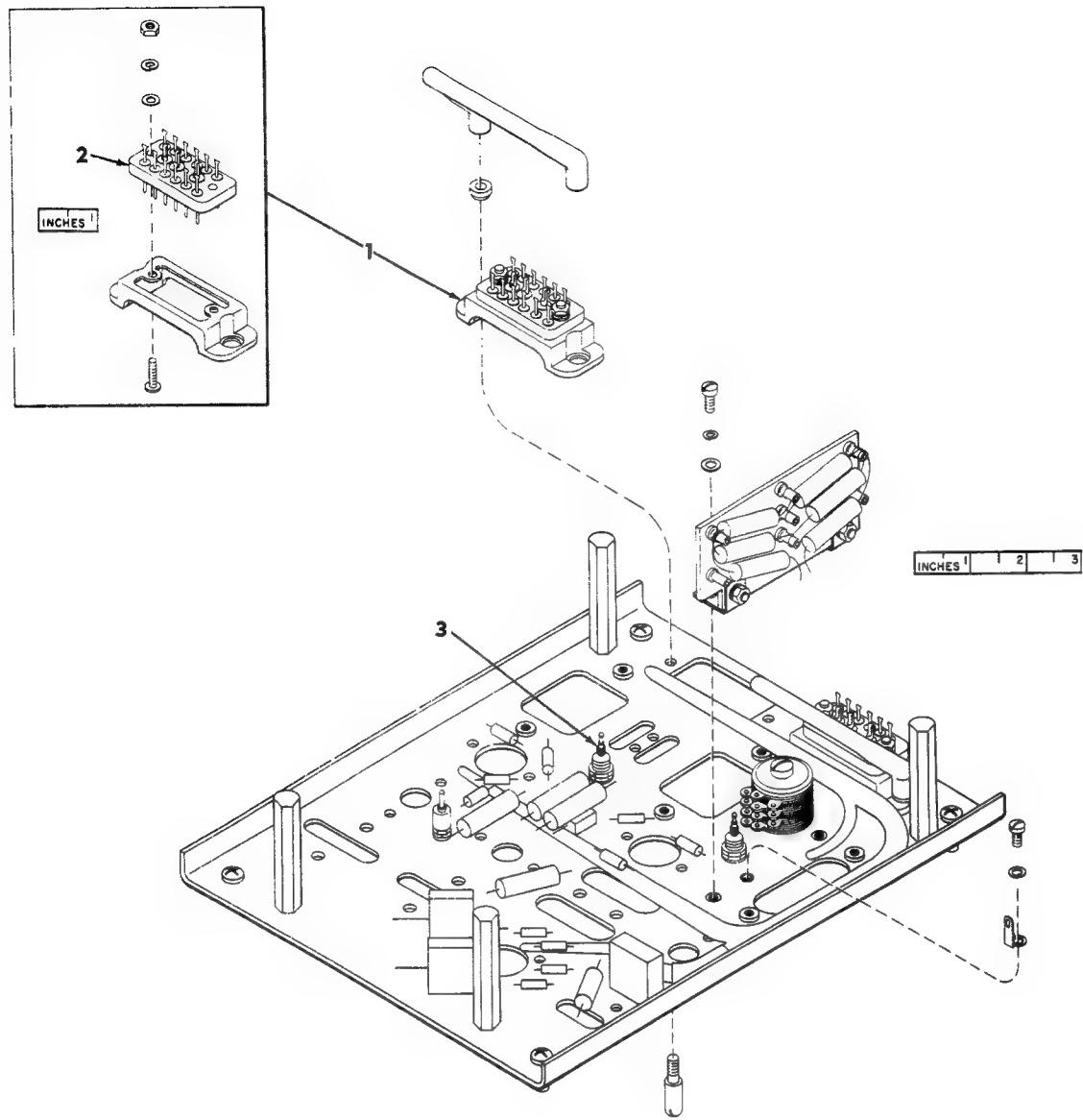
Figure 169. Generator, pulse (8173973) – partial exploded view



ORD G284250

- 1 ELECTRON TUBE 5755
2 CAPACITOR 8010743

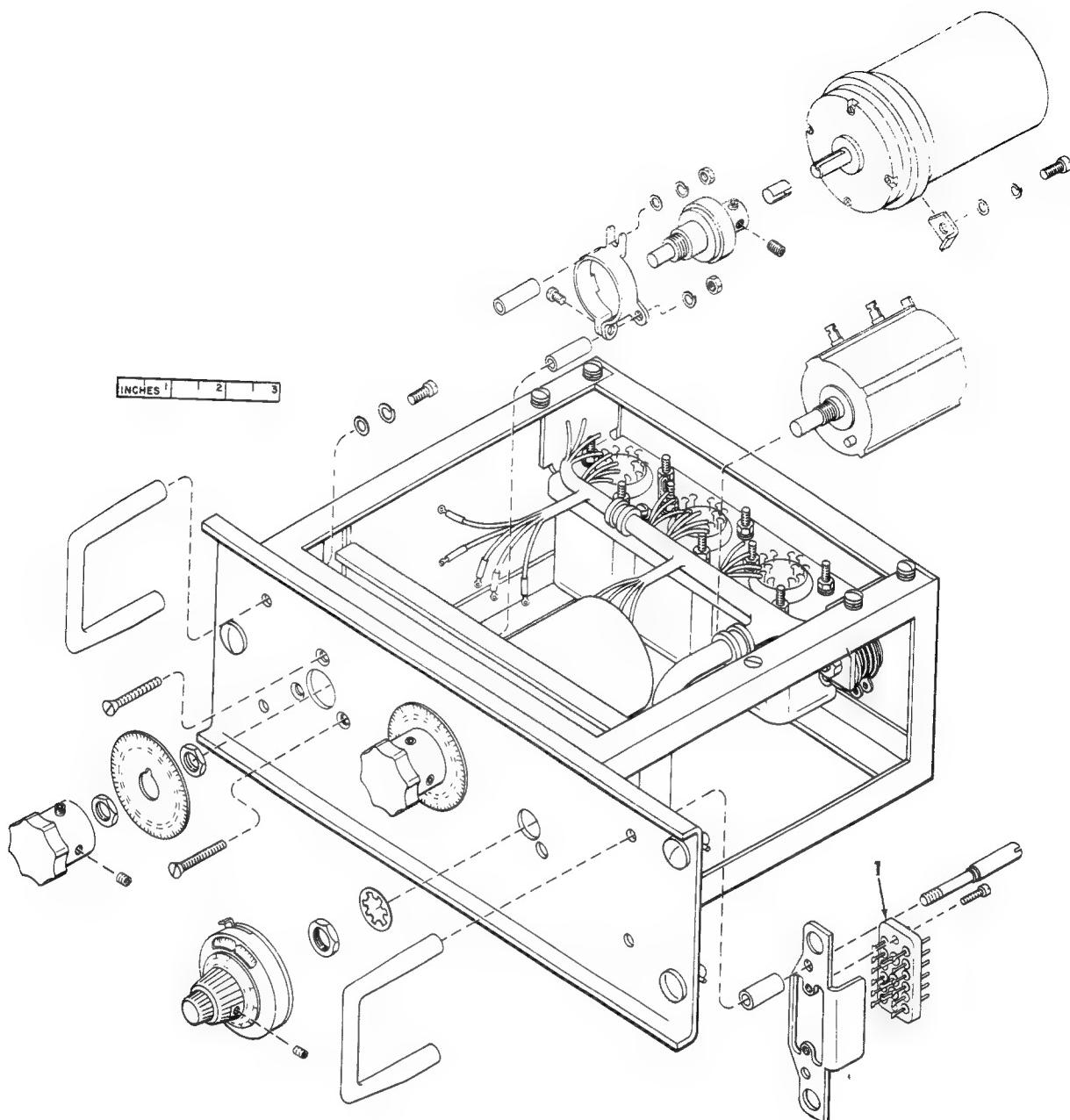
Figure 170. Amplifier, electronic control (8517944)—partial exploded view



ORD G284251

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 JACK 8134425

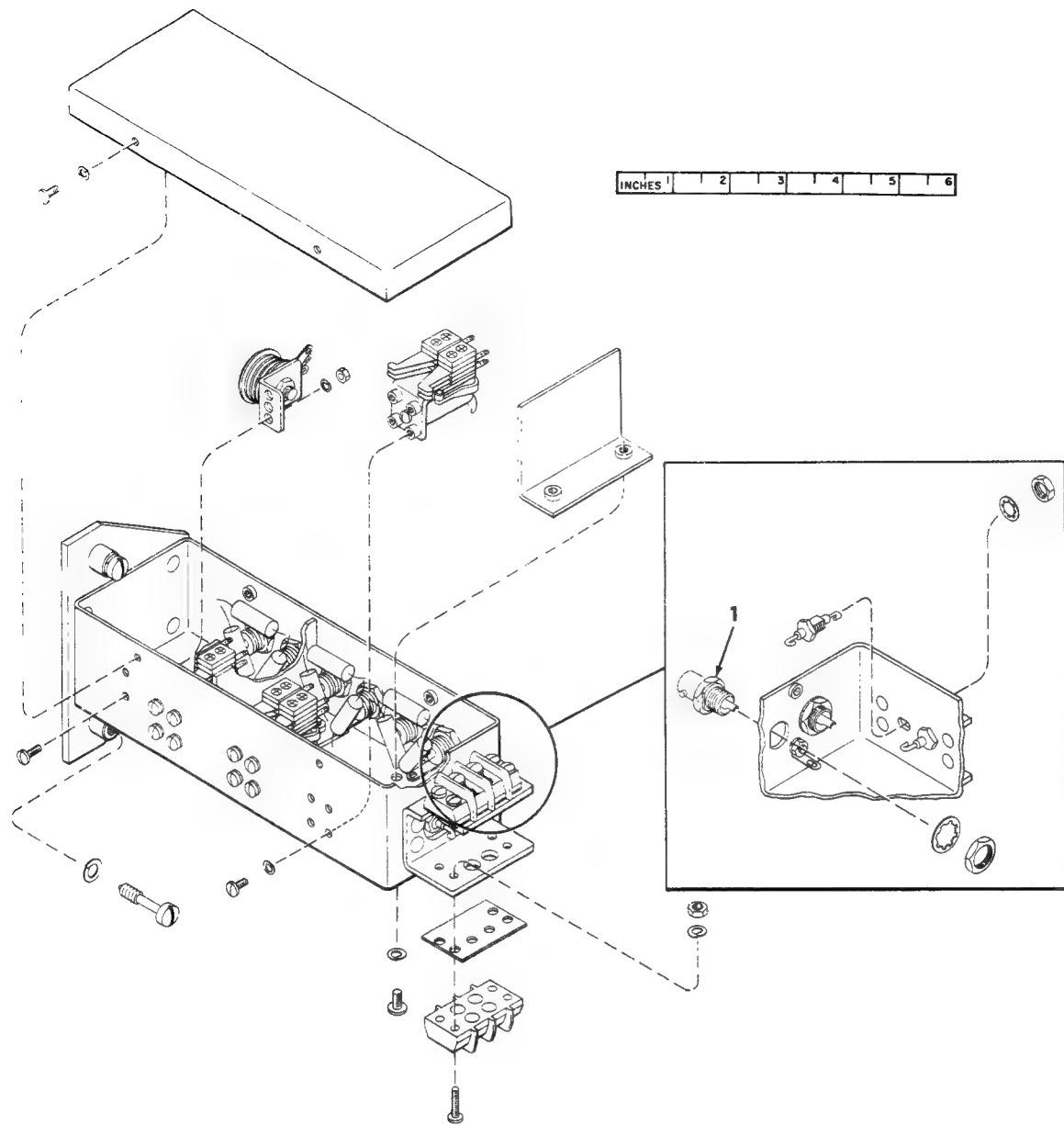
Figure 171. Amplifier, electronic control (8517944)—partial exploded view



ORD G260000

1 CONNECTOR 7598934

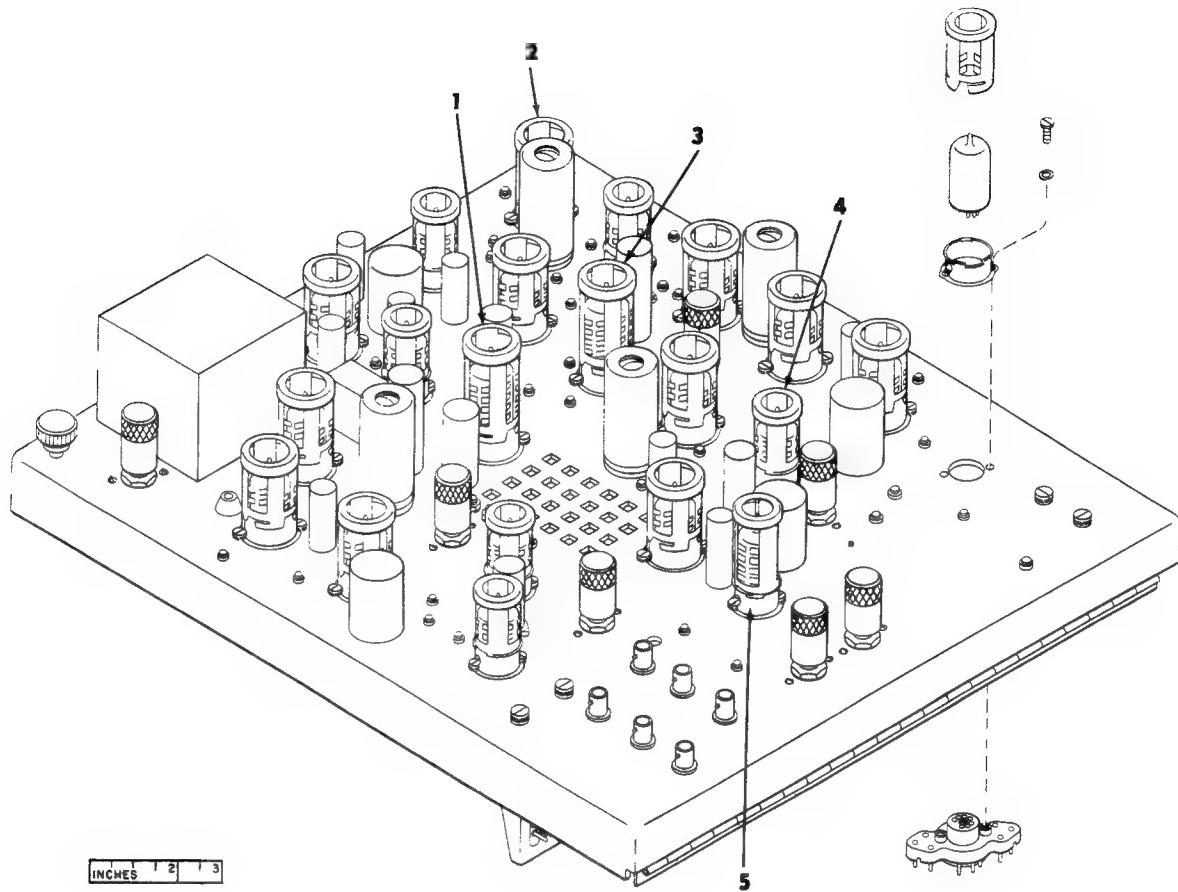
Figure 172. Control, antenna (8008199)—exploded view



ORD G284252

1 CONNECTOR MS-27035-625B

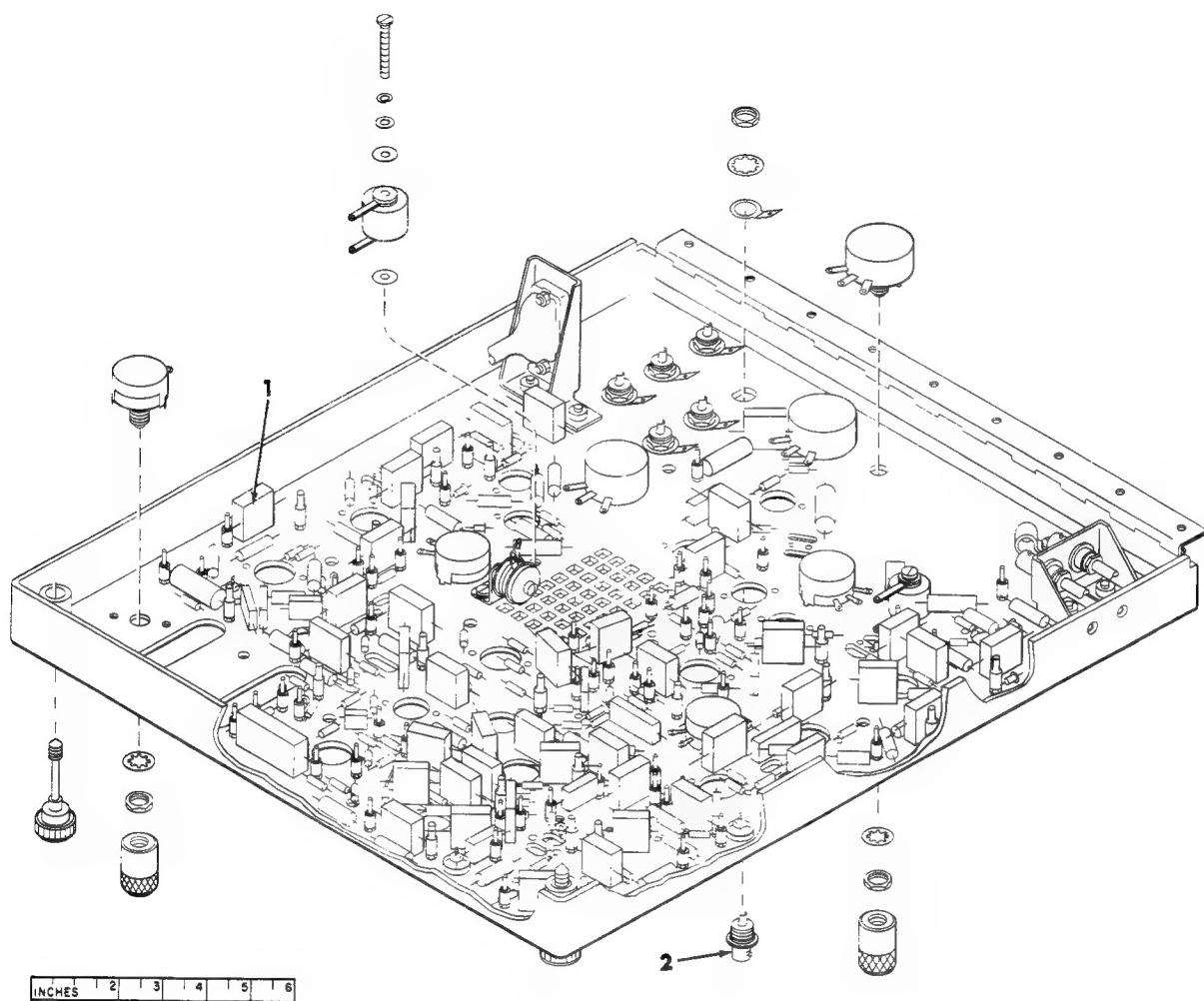
Figure 173. Attenuator, fixed (9010277)—exploded view



ORD G284253

- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 5670
- 3 ELECTRON TUBE 5814A
- 4 ELECTRON TUBE 5726/6AL5W
- 5 ELECTRON TUBE 6AH6

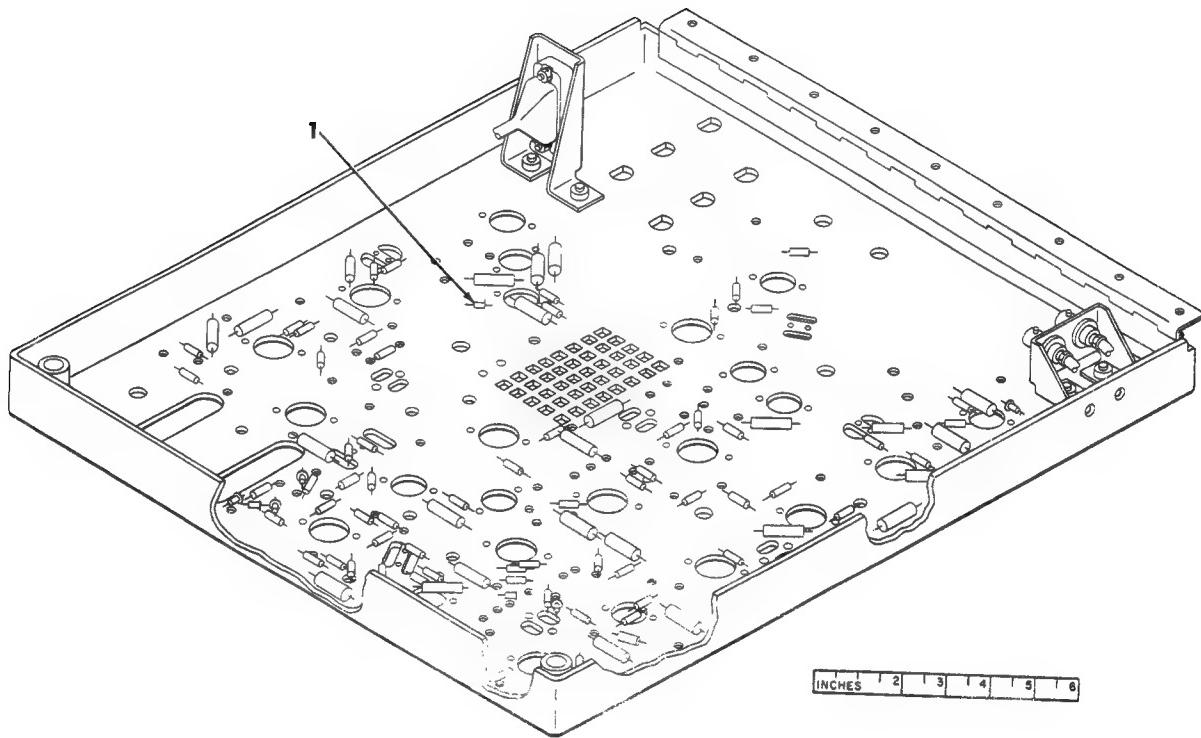
Figure 174. Generator, pulse (9143941)—partial exploded view



ORD G284254

- 1 CAPACITOR CM35E103J
 2 CONNECTOR MS-27035-625B

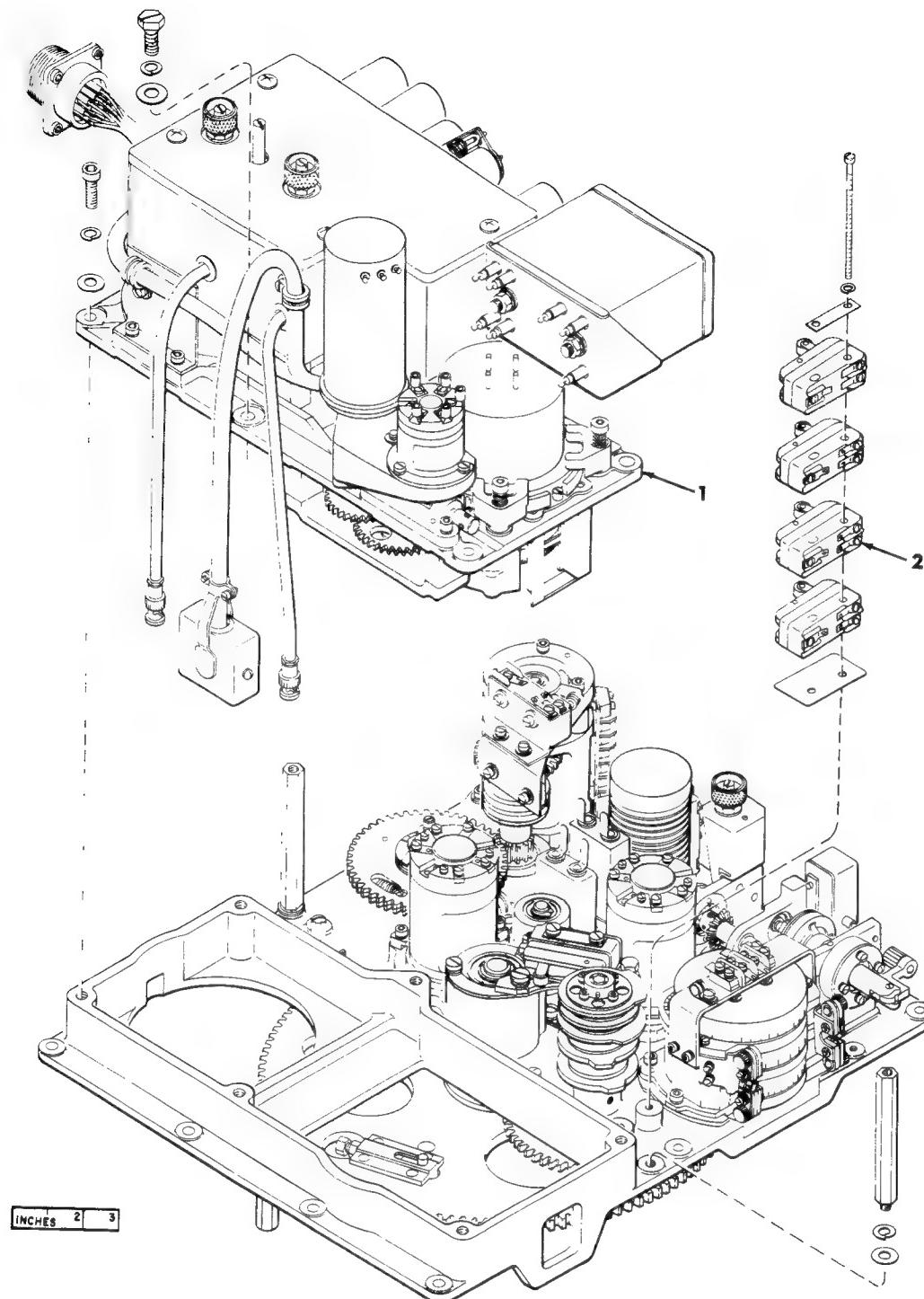
Figure 175. Generator, pulse (9143941)—partial exploded view



ORD G284255

1 SEMICONDUCTOR DEVICE
9137420

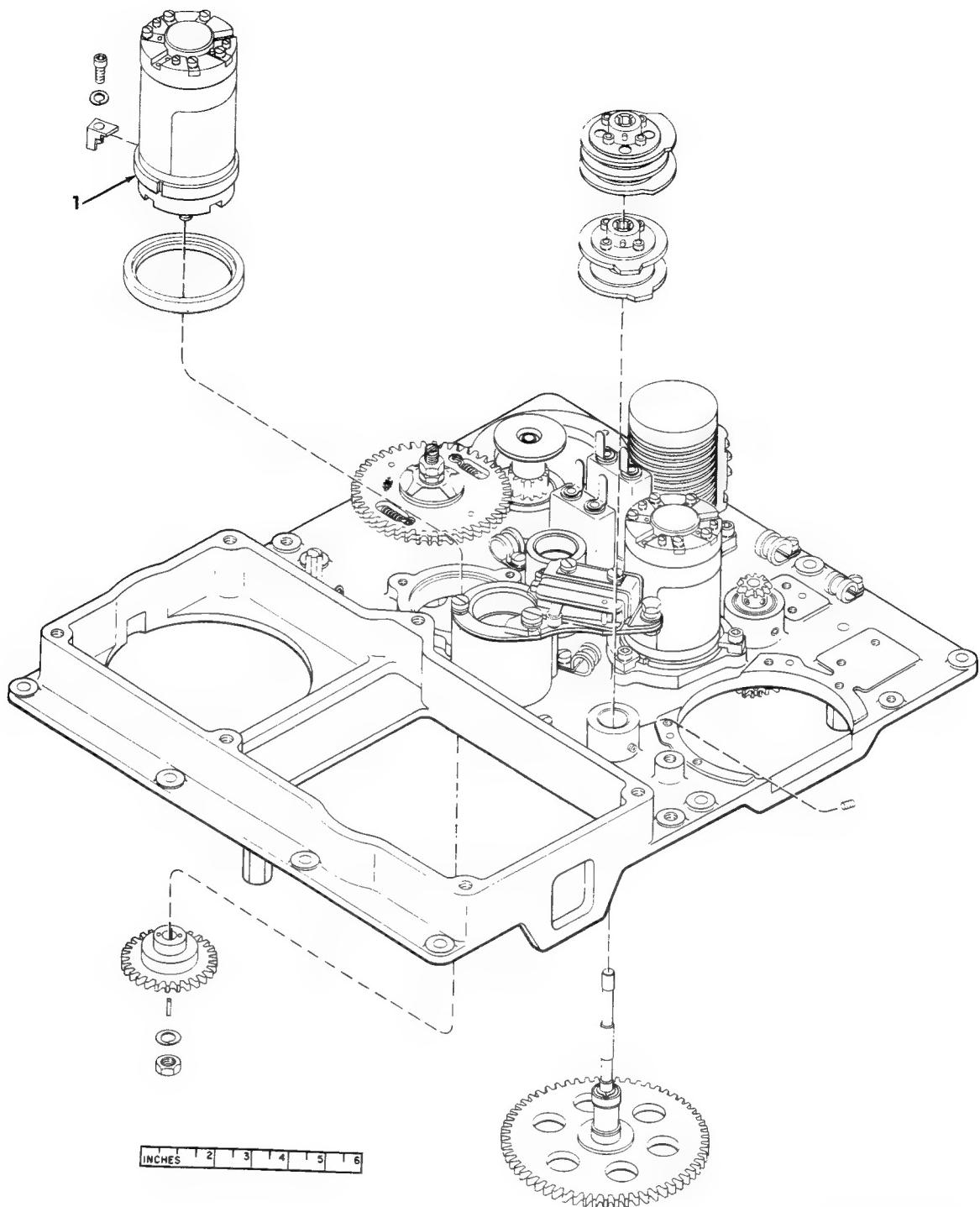
Figure 176. Generator, pulse (9143941) - partial exploded view



1 OSCILLATOR 9141252
2 SWITCH 7601946

ORD G284256

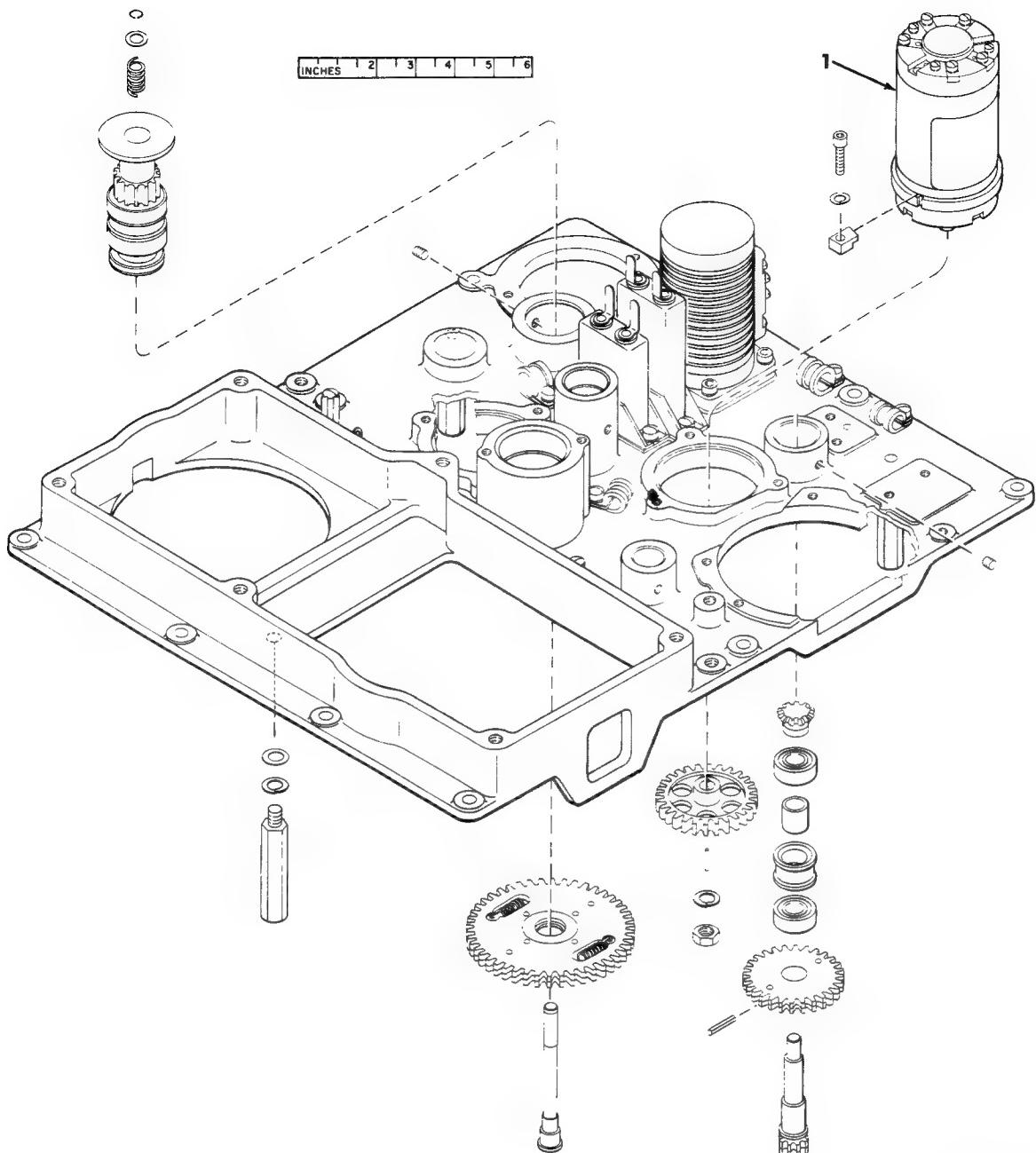
Figure 177. Transmitter, position (9143795)—partial exploded view



ORD G284257

1 SYNCHRO 7674818

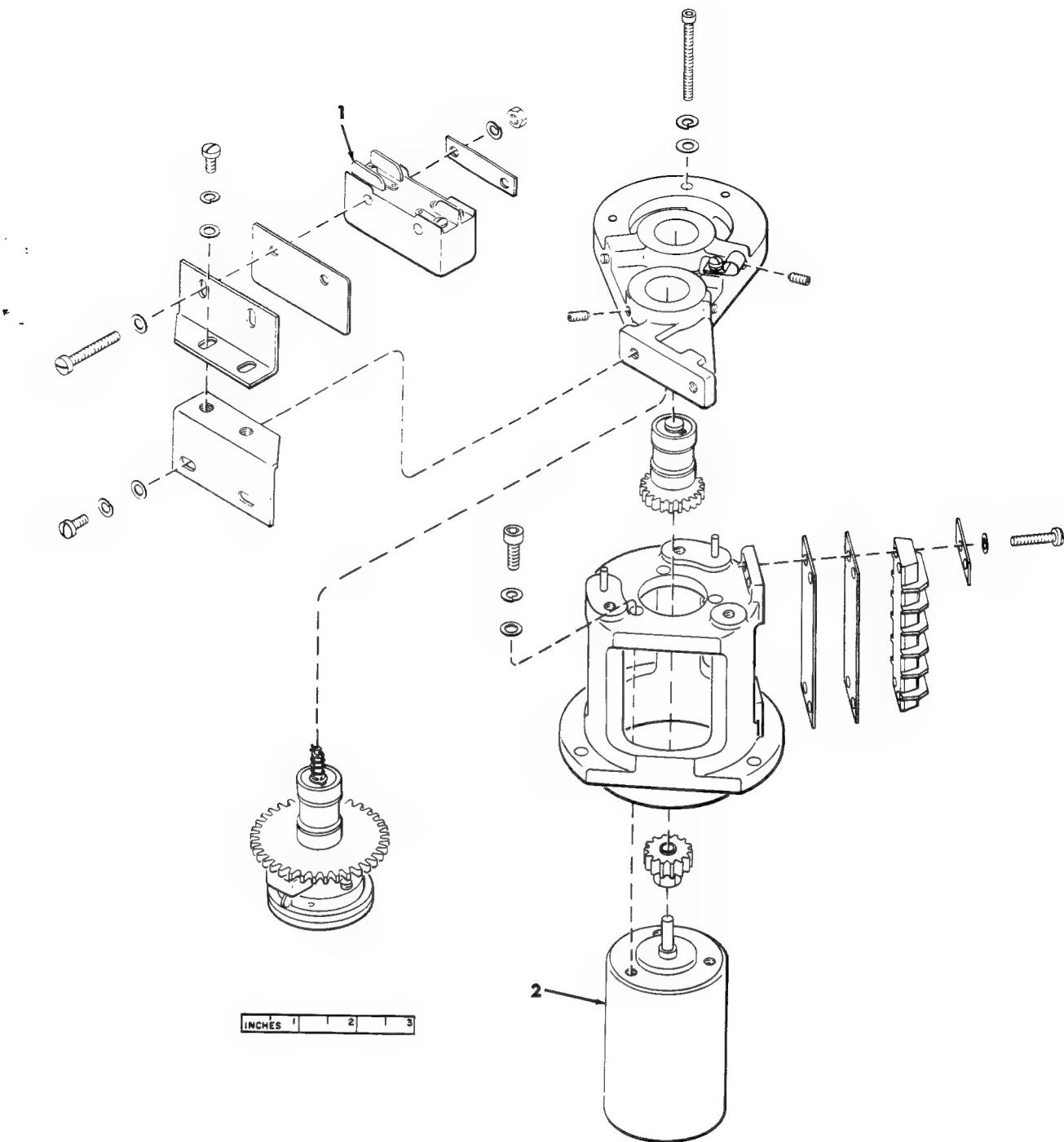
Figure 178. Transmitter, position 9143795)–partial exploded view



ORD G284258

1 SYNCHRO 7674818

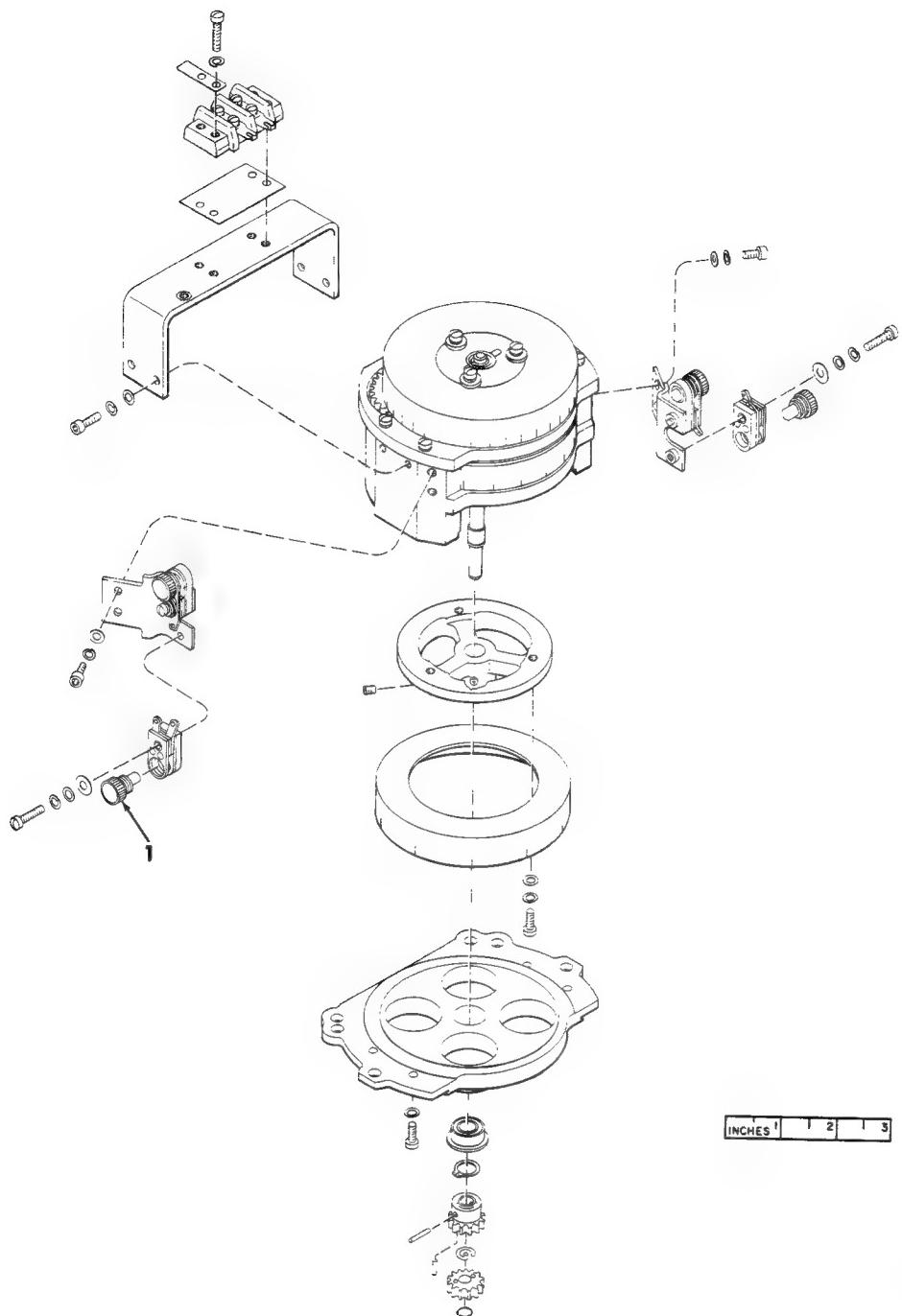
Figure 179. Transmitter, position (9143795) – partial exploded view



ORD G284259

1 SWITCH SS01A20
 2 MOTOR 8024302

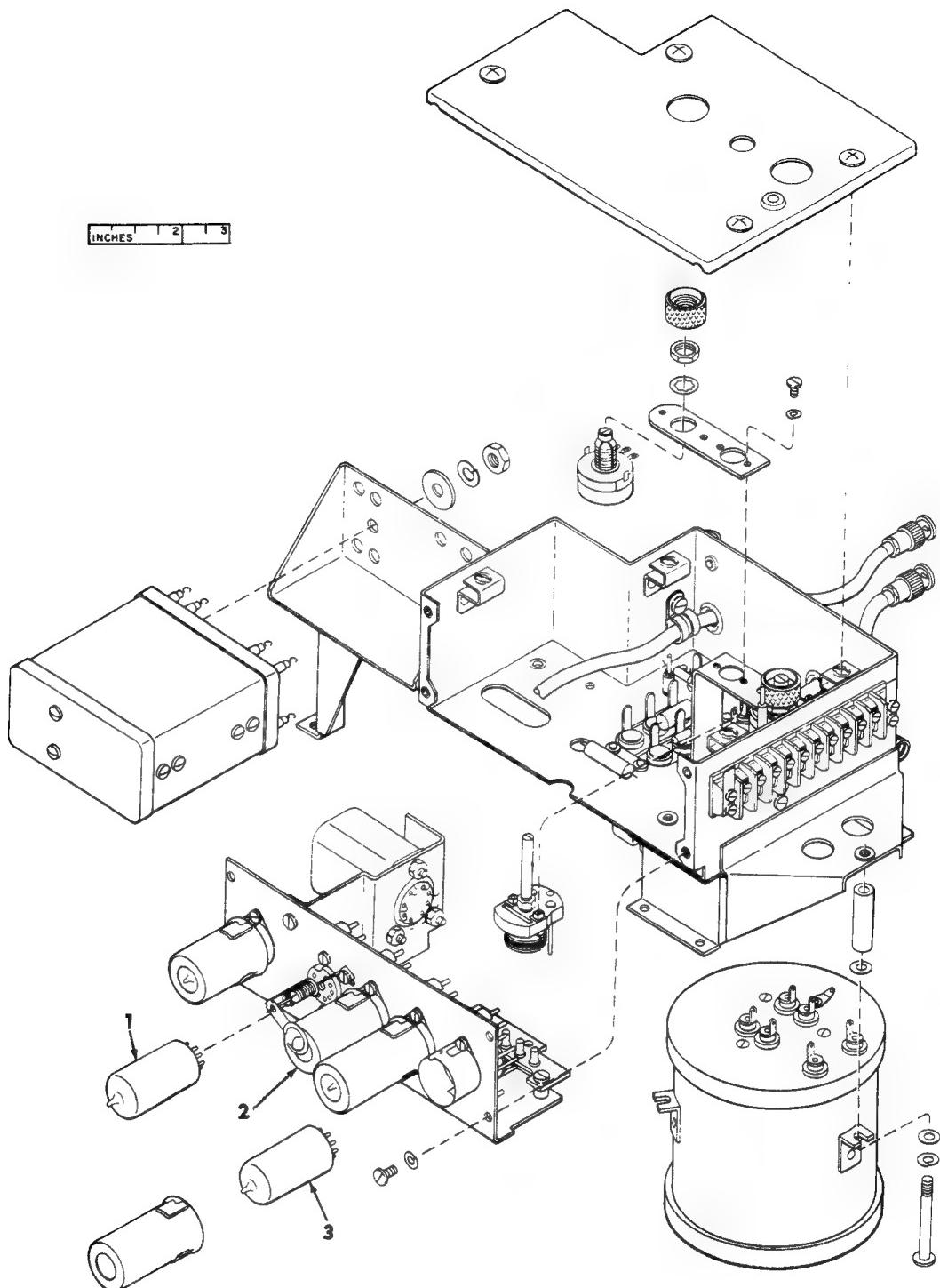
Figure 180. Drive, centrifugal, clutch (8172355)—exploded view



ORD G284260

1 LAMP MS-25236-323

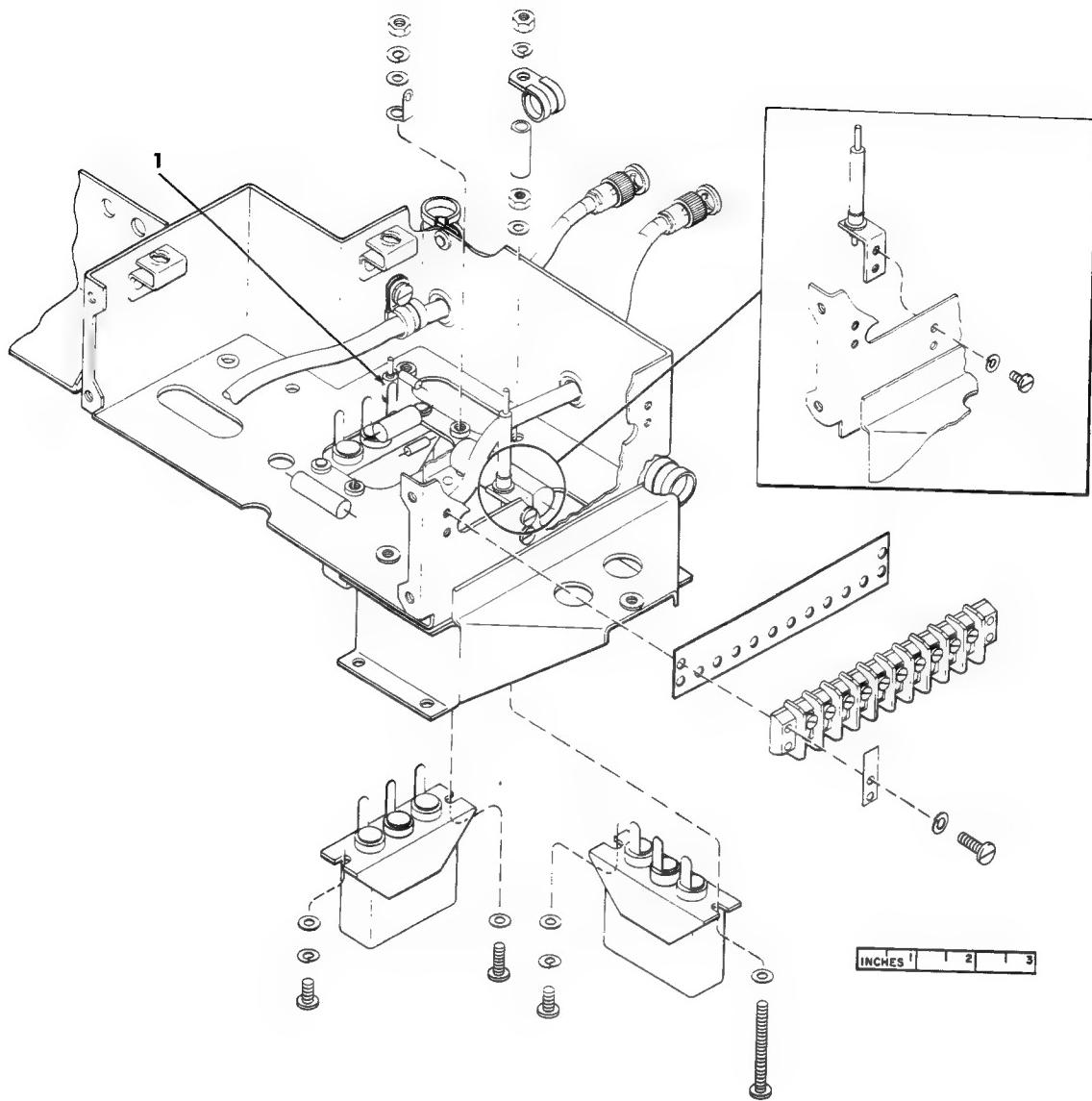
Figure 181. Gear assembly, dial drive (8171866) - exploded view



- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 5670
- 3 ELECTRON TUBE 5814A

ORD G284261

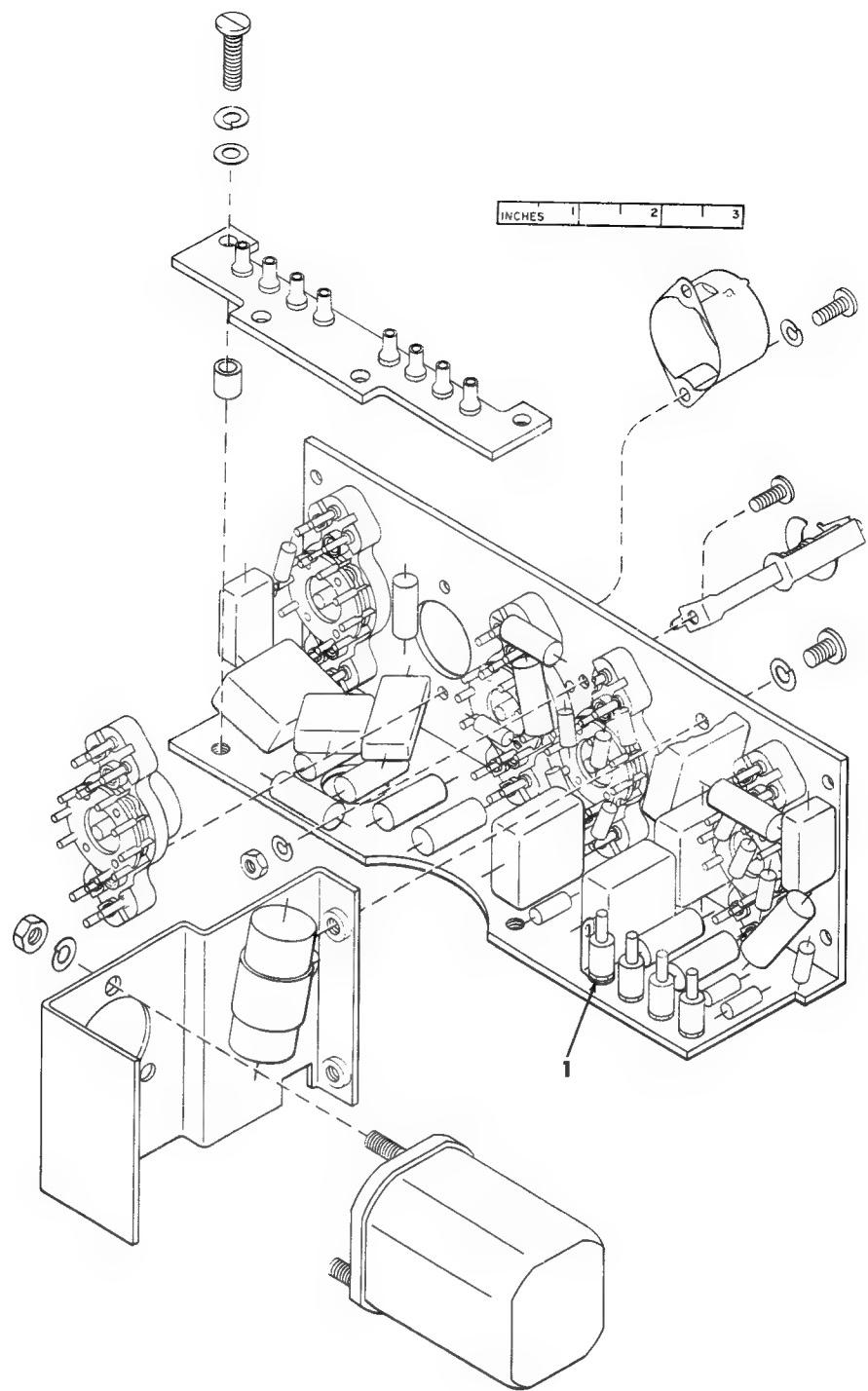
Figure 182. Oscillator subassembly (9141254) – partial exploded view



ORD G260005

1 TERMINAL 7598949

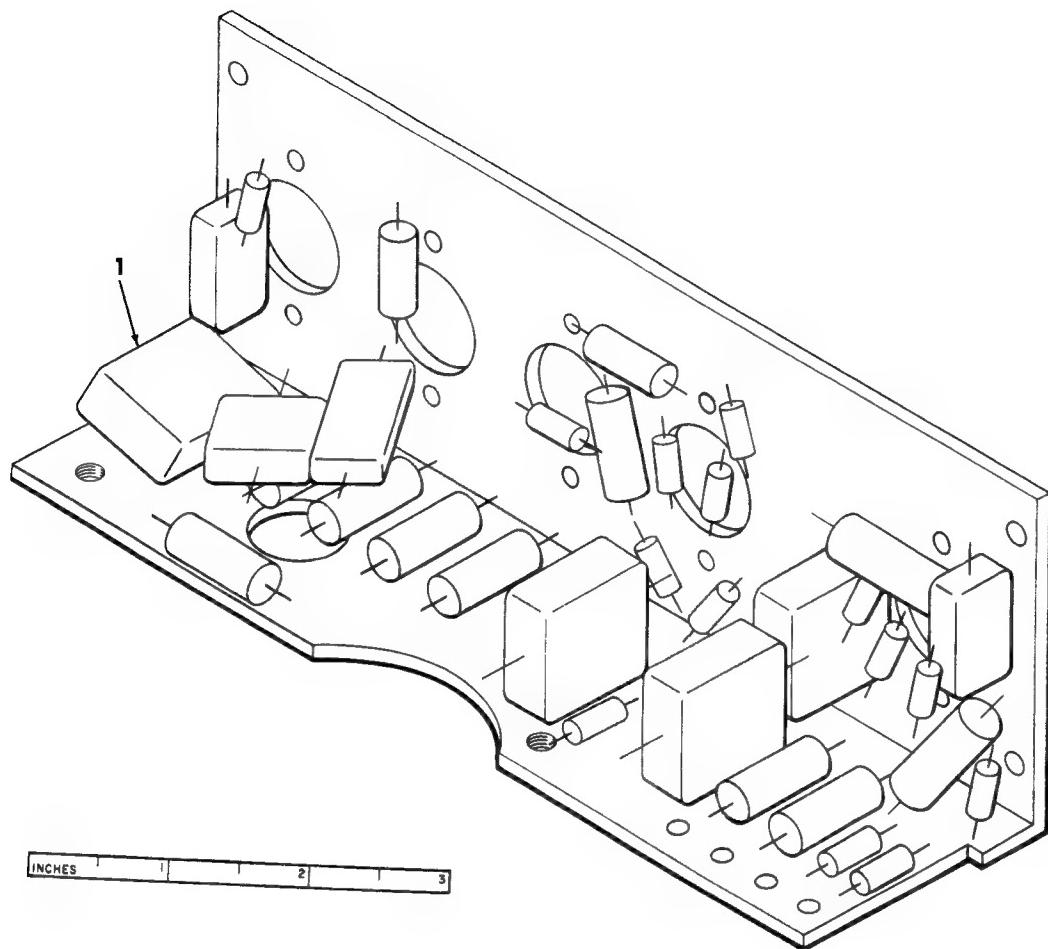
Figure 183. Oscillator subassembly (9141254) – partial exploded view



ORD G284262

1 TERMINAL 7598949

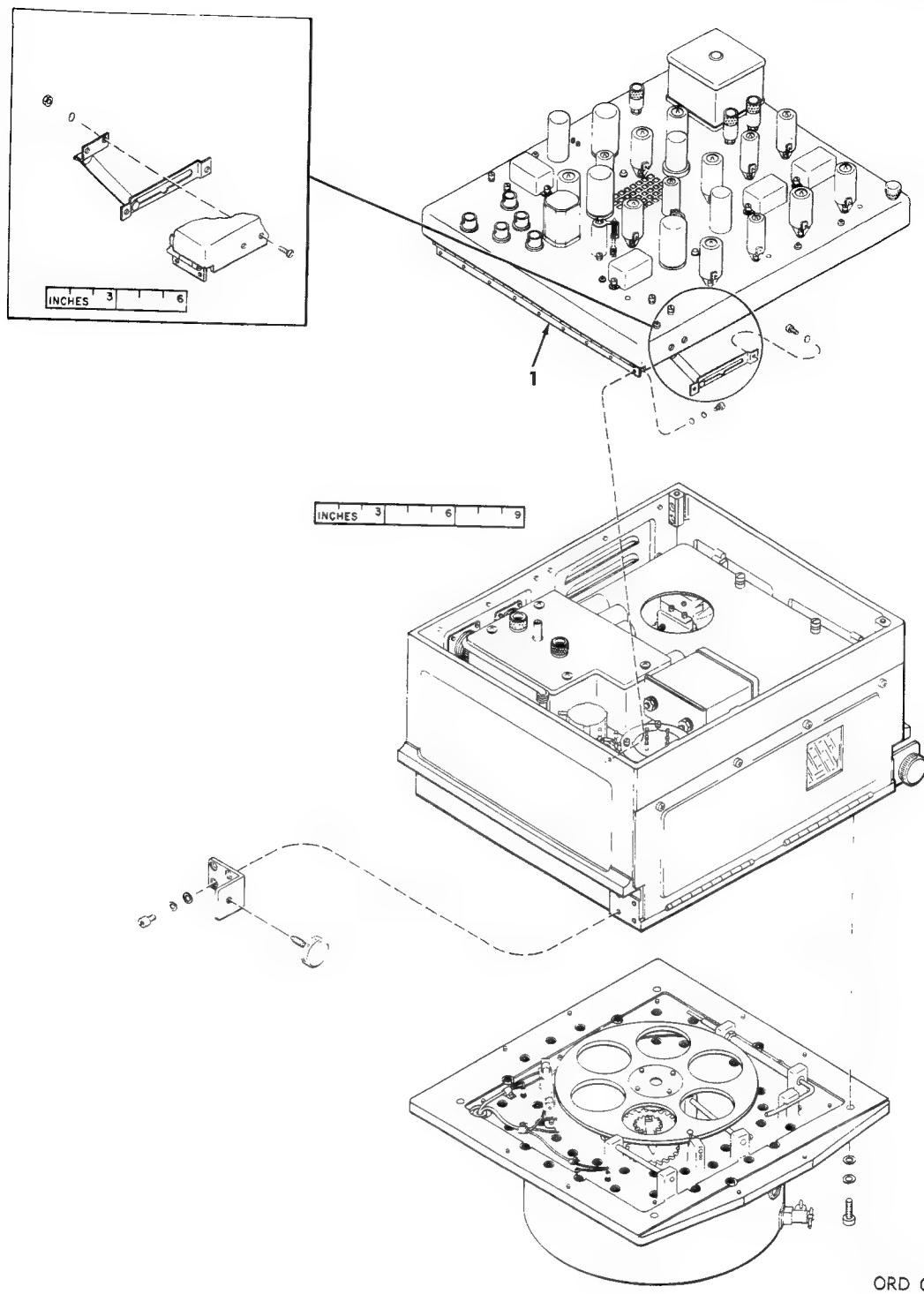
Figure 184. Oscillator subassembly (9141257) - partial exploded view



ORD G284263

1 CAPACITOR CM35E103J

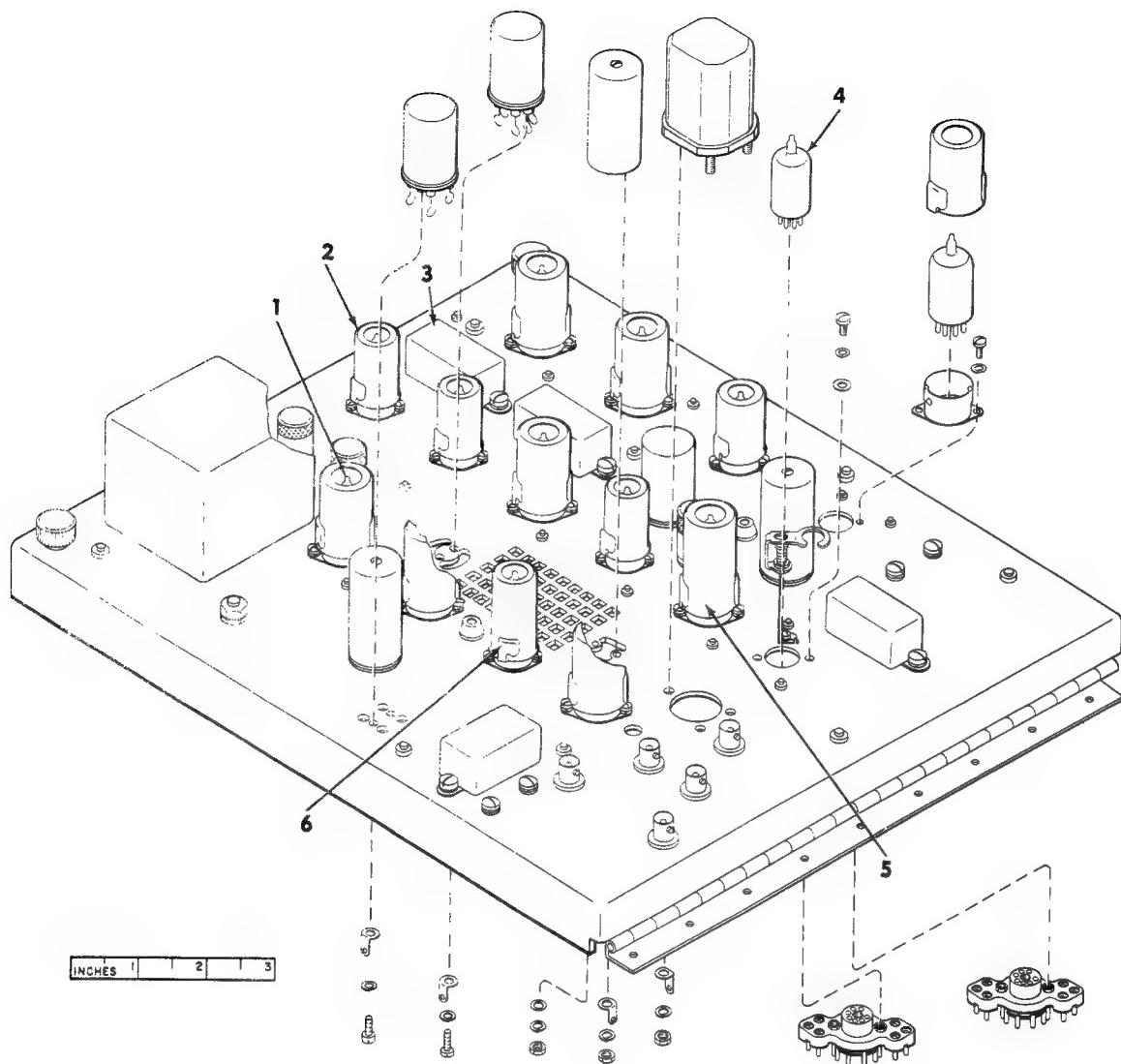
Figure 185. Oscillator subassembly (9141257) - partial exploded view



ORD G254102

1 AMPLIFIER 9139862

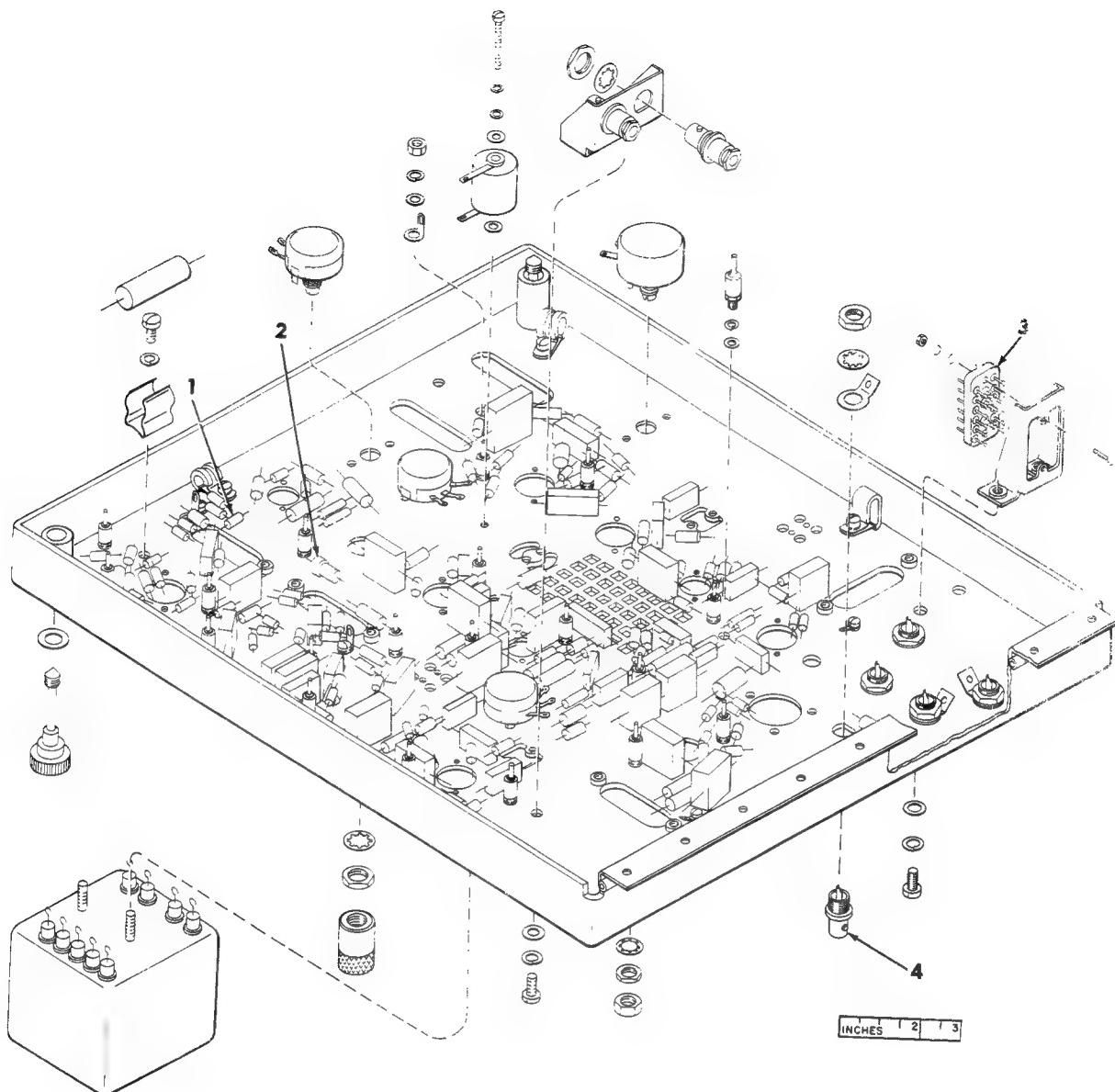
Figure 186. Amplifier-control group (8158372)—partial exploded view



ORD G284264

- 1 ELECTRON TUBE 5670
- 2 ELECTRON TUBE 5726/6AL5W
- 3 CAPACITOR CP5584EF104V1
- 4 ELECTRON TUBE 5687WA
- 5 ELECTRON TUBE 5814A
- 6 ELECTRON TUBE 6AH6

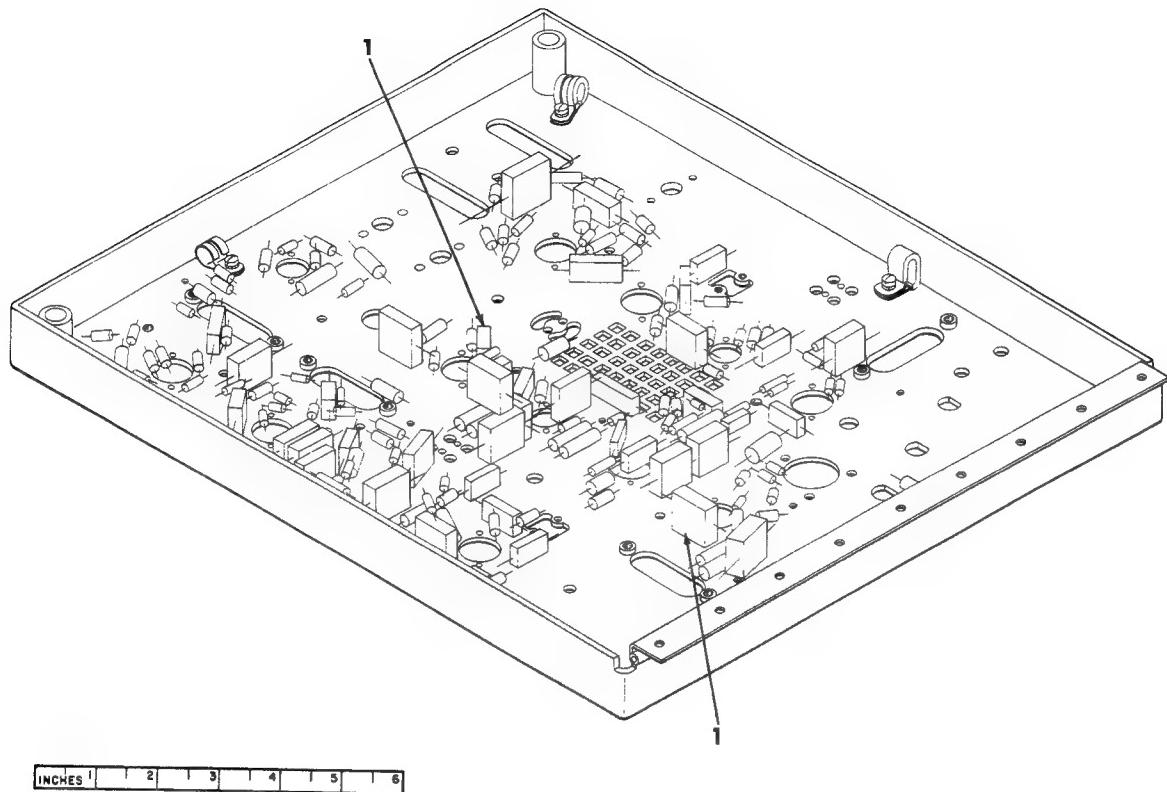
Figure 187. Amplifier, trigger (9139862)—partial exploded view



ORD G284265

- 1 SEMICONDUCTOR DEVICE
7598937
- 2 CAPACITOR 8023439
- 3 CONNECTOR 7598934
- 4 CONNECTOR MS-27035-625B

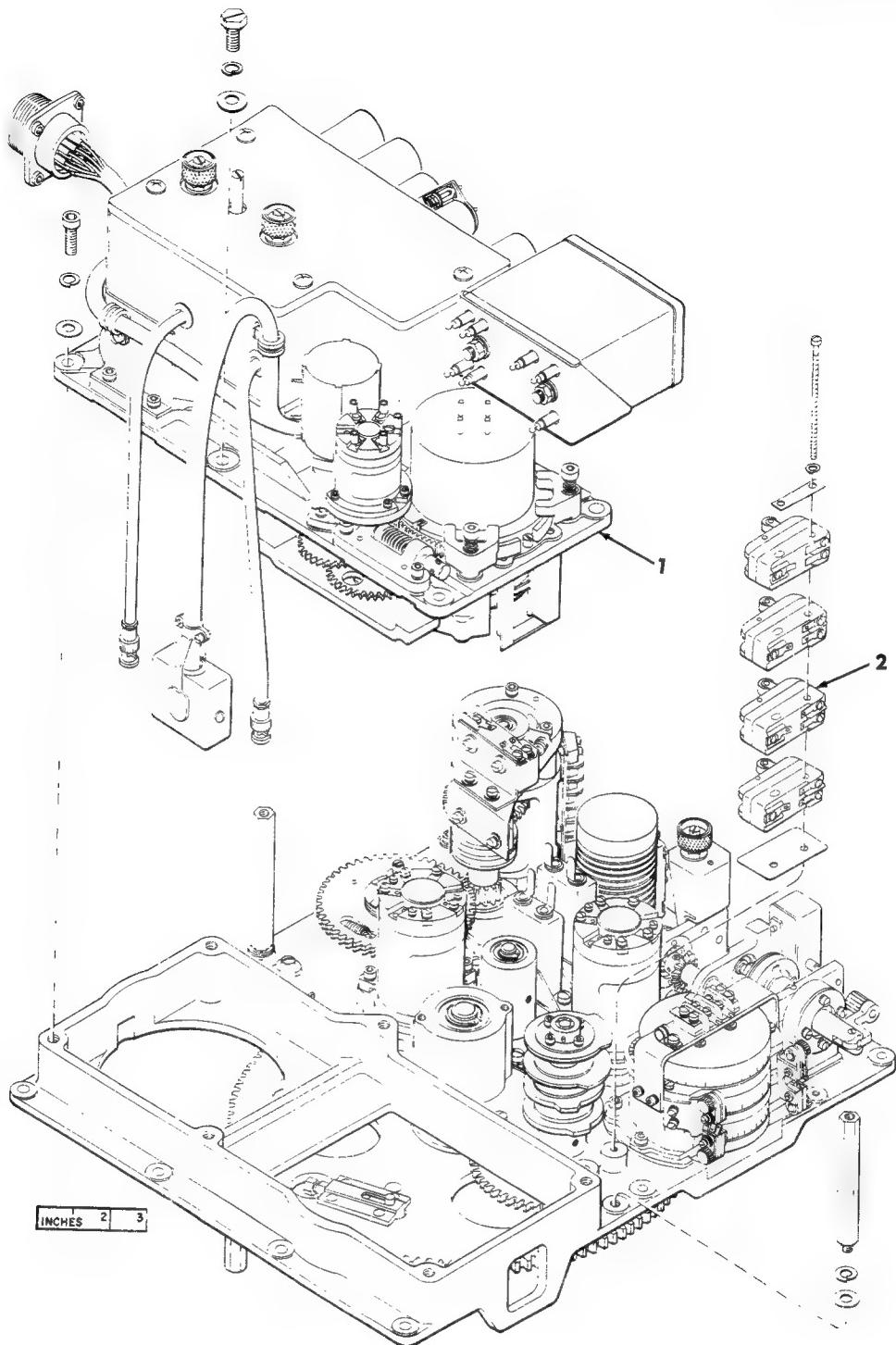
Figure 188. Amplifier, trigger (9139862)—partial exploded view



ORD G284266

1 CAPACITOR CM35E103J

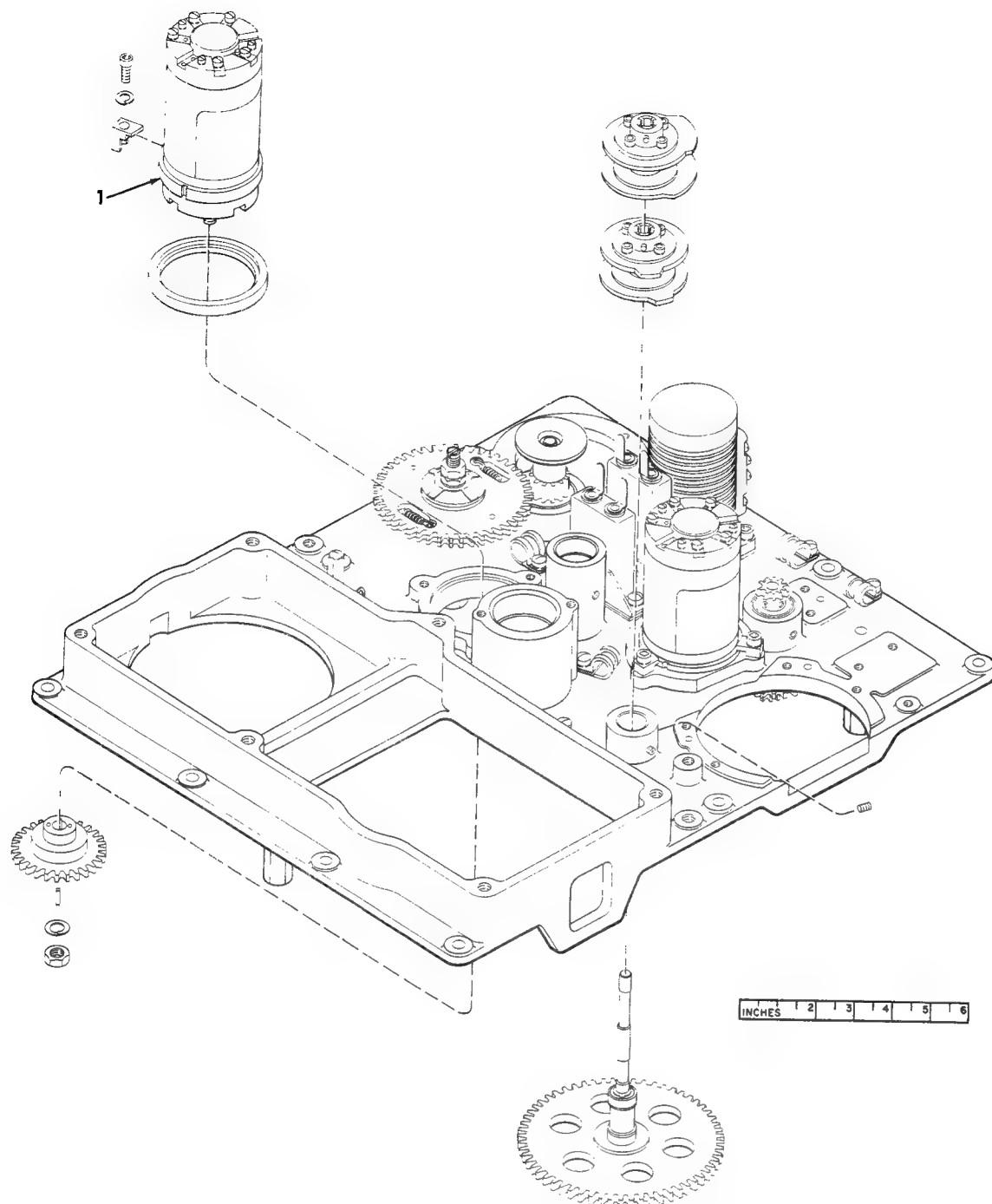
Figure 189. Amplifier, trigger (9139862)—partial exploded view



1 AMPLIFIER-OSCILLATOR
9000051
2 SWITCH 7601946

ORD G284267

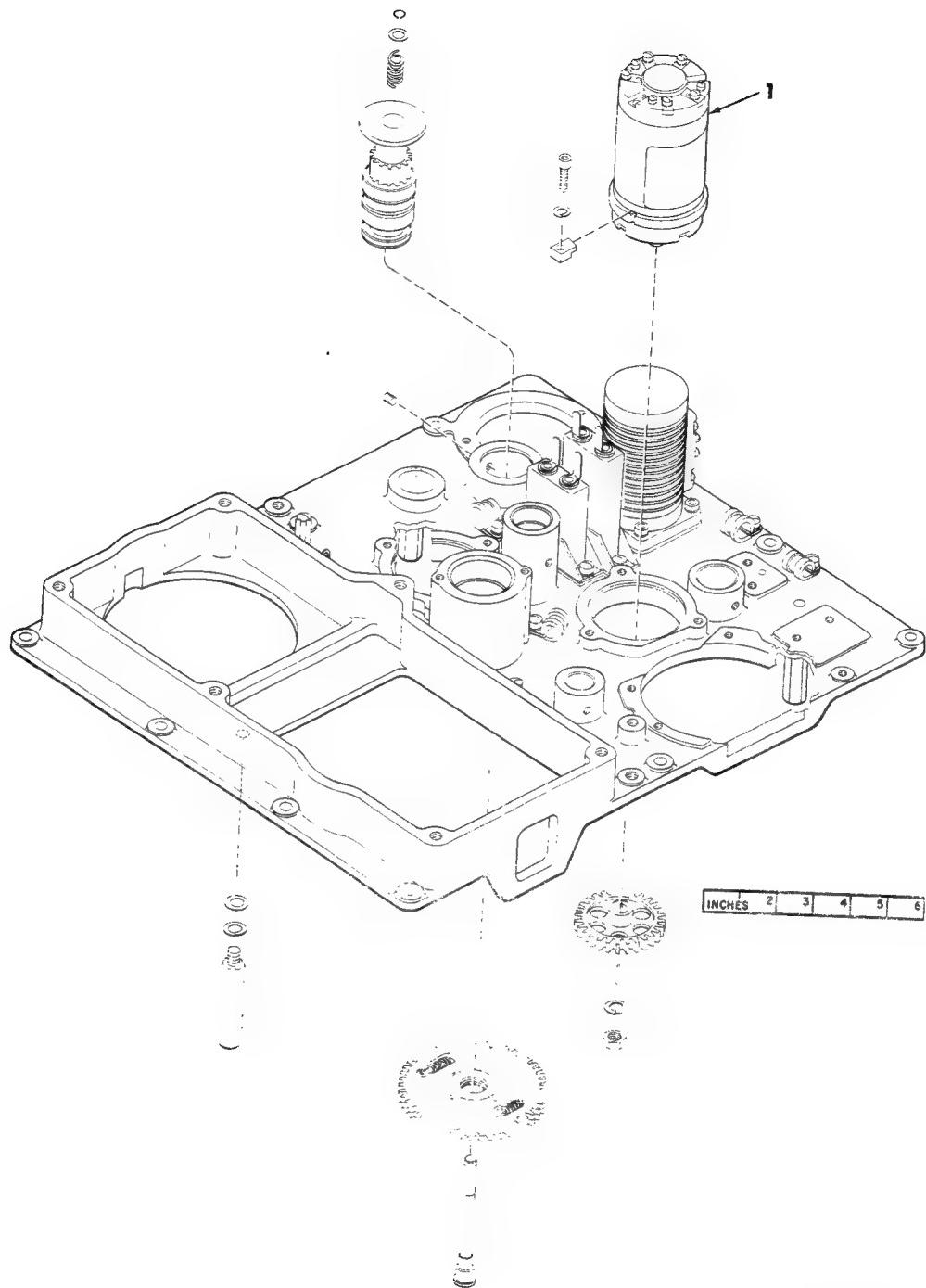
Figure 190. Transmitter, position (8158365) - partial exploded view



ORD G284268

1 SYNCHRO 7674818

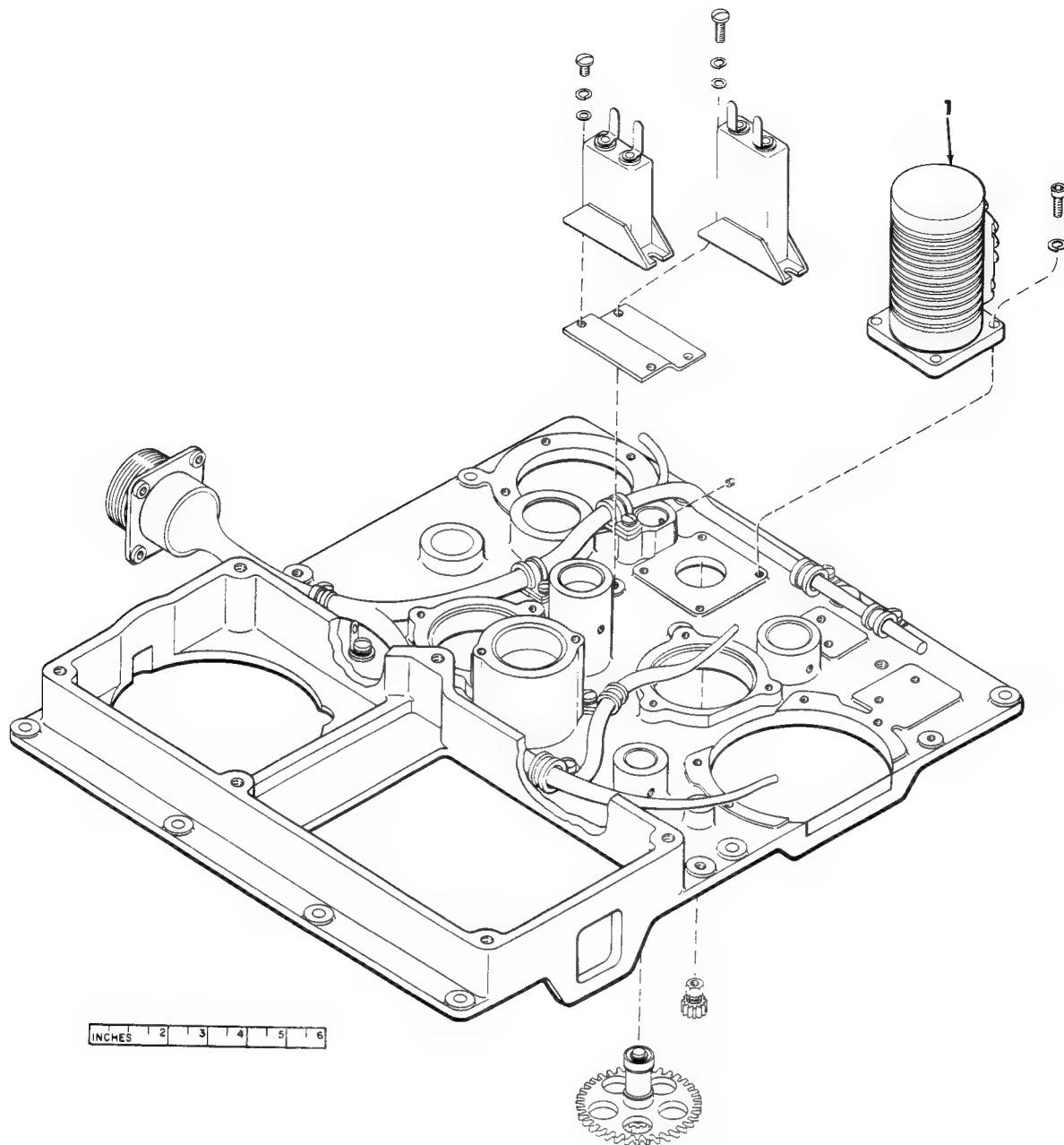
Figure 191. Transmitter, position (8158365) - partial exploded view



ORD G284269

1 SYNCHRC 7674818

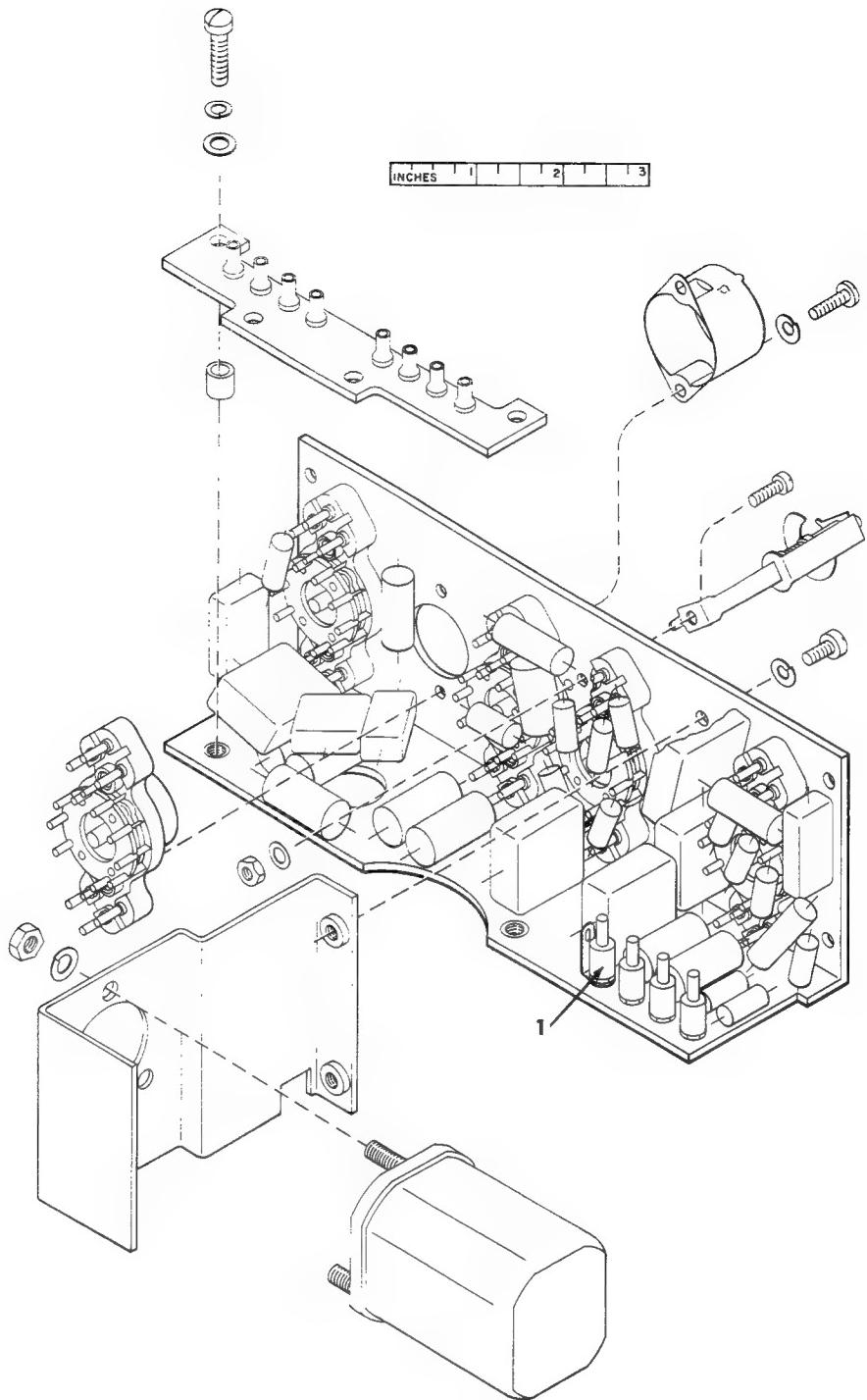
Figure 192. Transmitter, position (8158365) - partial exploded view



ORD G284270

1 MOTOR-GENERATOR 700-334

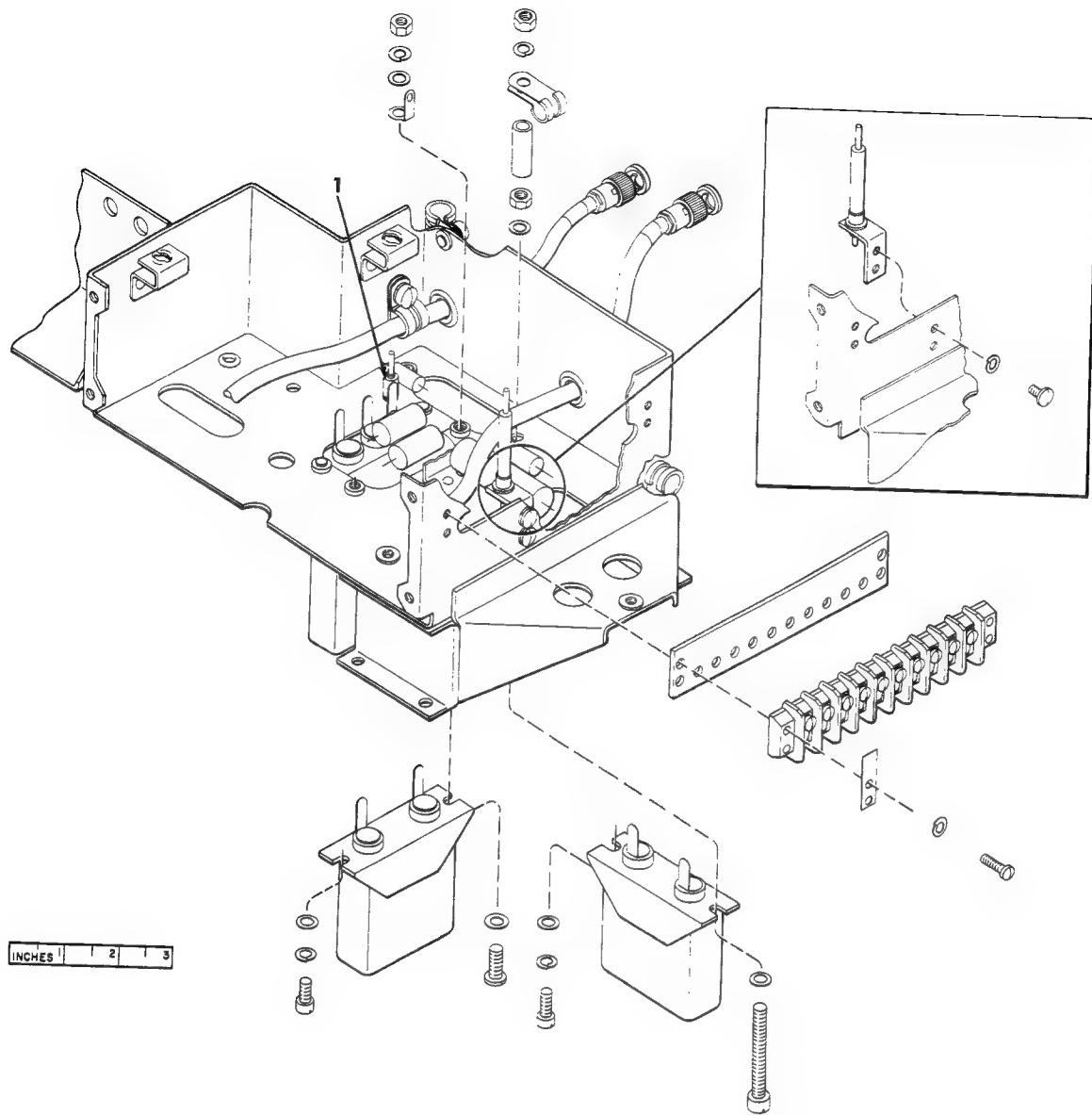
Figure 193. Transmitter, position (8158365) - partial exploded view



ORD G284272

1 TERMINAL 7598949

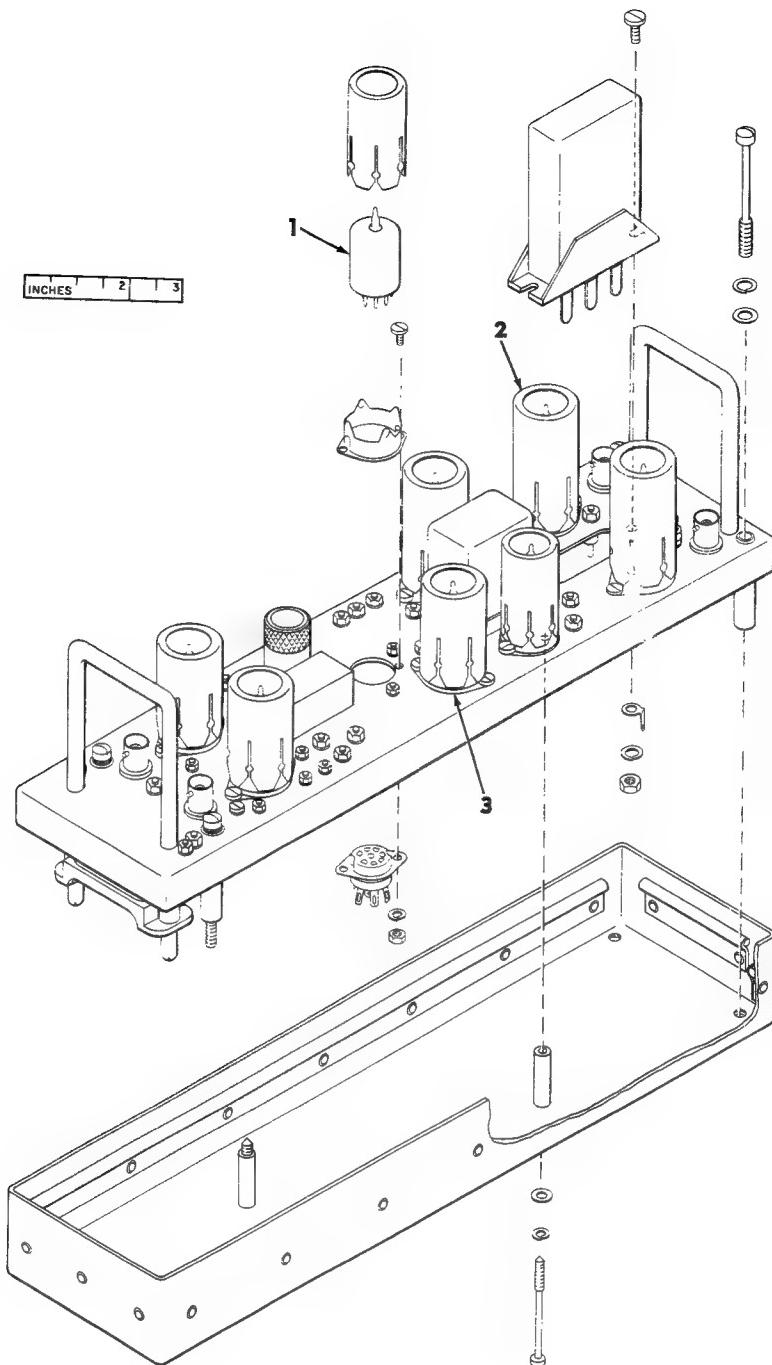
Figure 196. Amplifier-oscillator (8172373) - partial exploded view



ORD G260011

1 TERMINAL 7598949

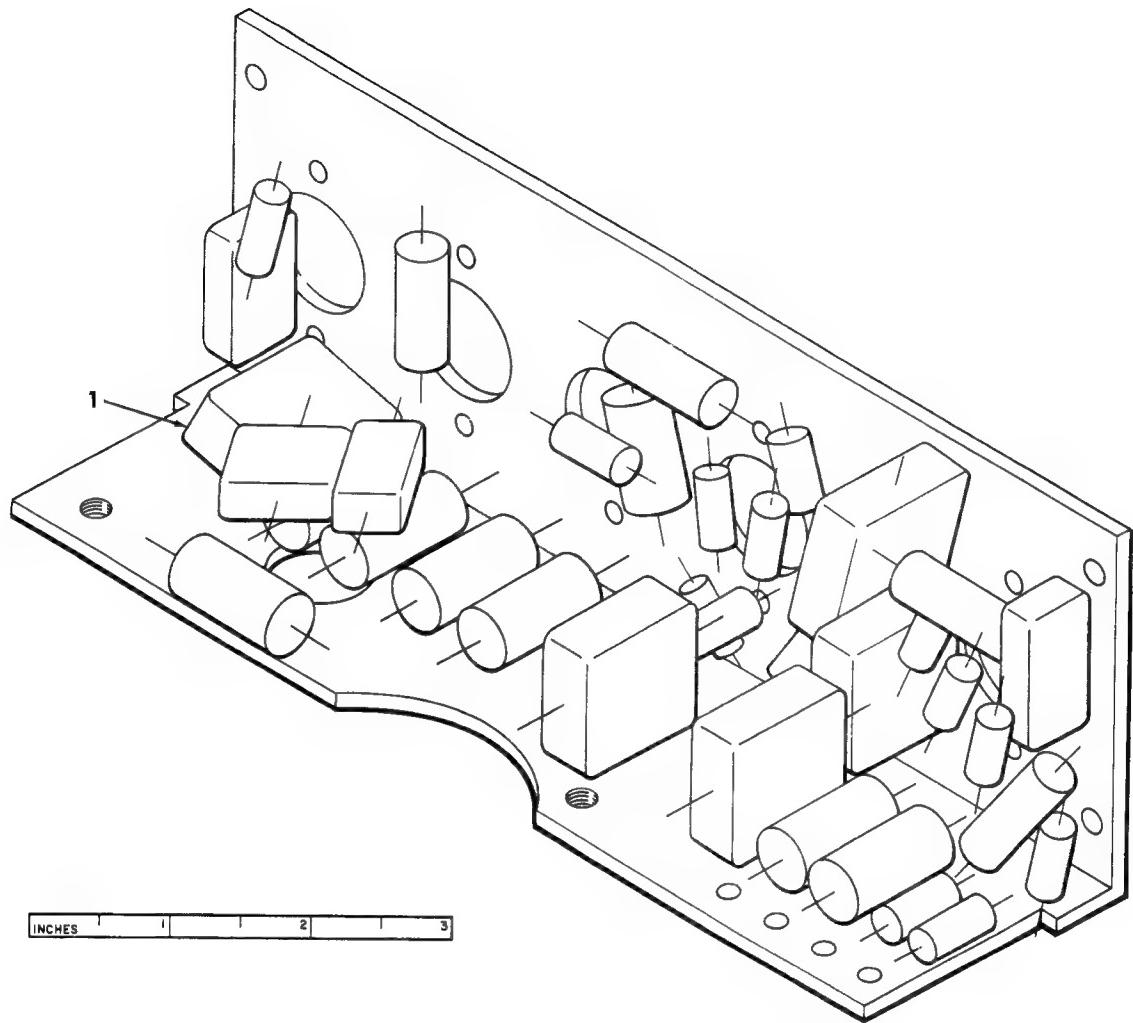
Figure 195. Amplifier-oscillator (8172414) - partial exploded view



ORD G284274

- 1 ELECTRON TUBE 5726/6AL5W
- 2 ELECTRON TUBE 5687WA
- 3 ELECTRON TUBE 5670

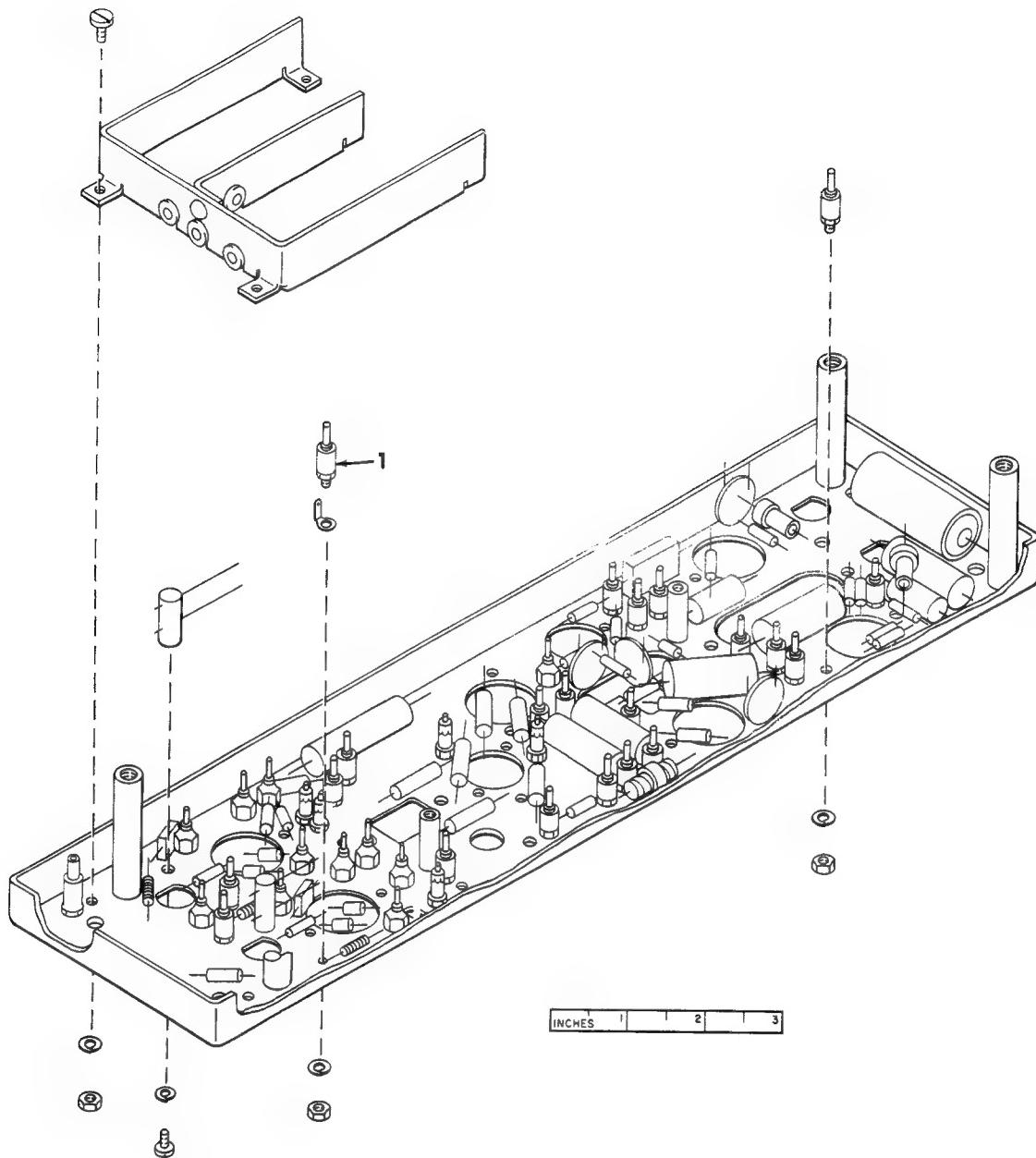
Figure 198. Detector, radio frequency (9009270) – partial exploded view



ORD G284273

1 CAPACITOR CM35E103J

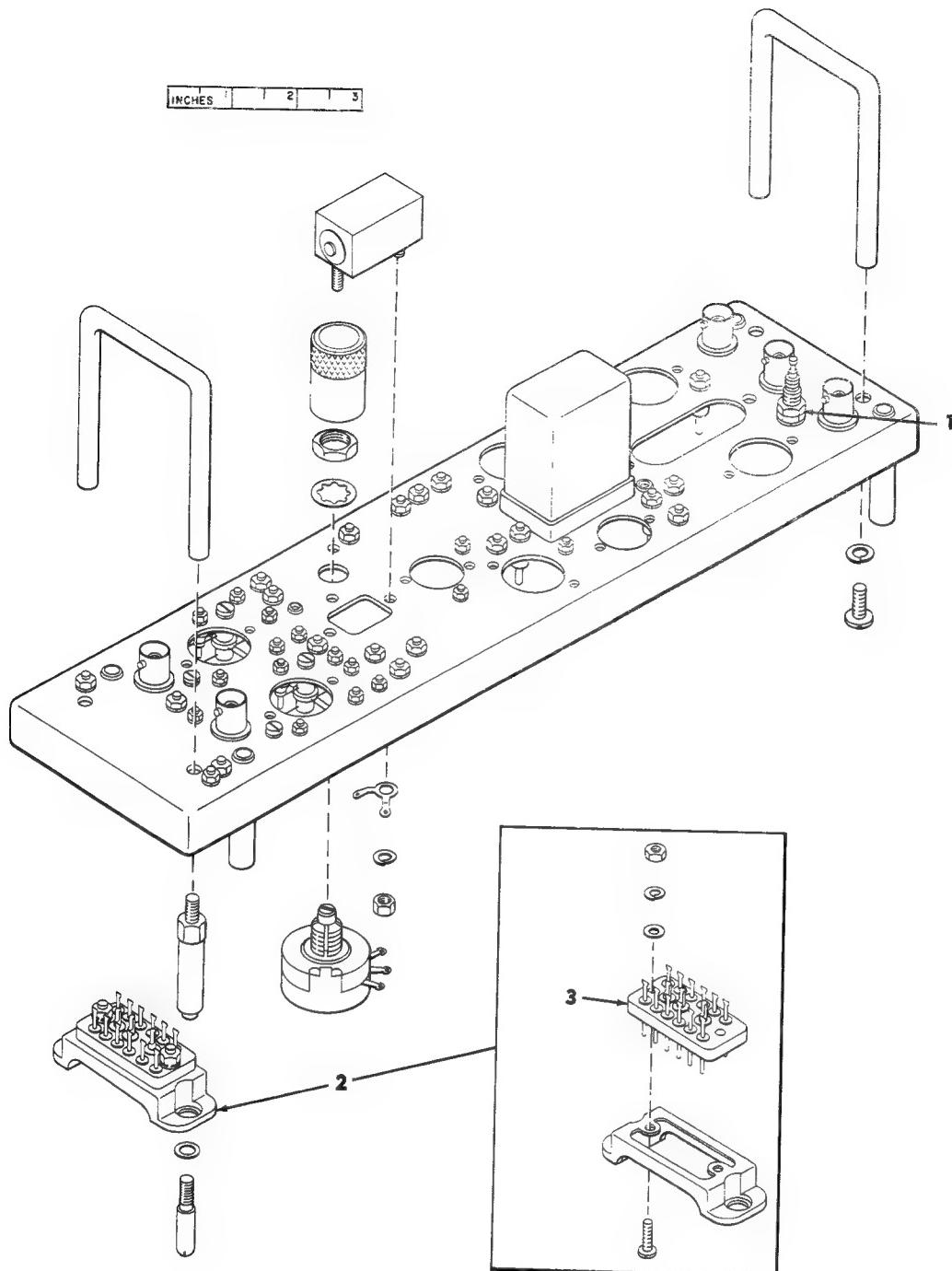
Figure 197. Amplifier-oscillator (8172373) - partial exploded view



ORD G284275

1 TERMINAL 7598949

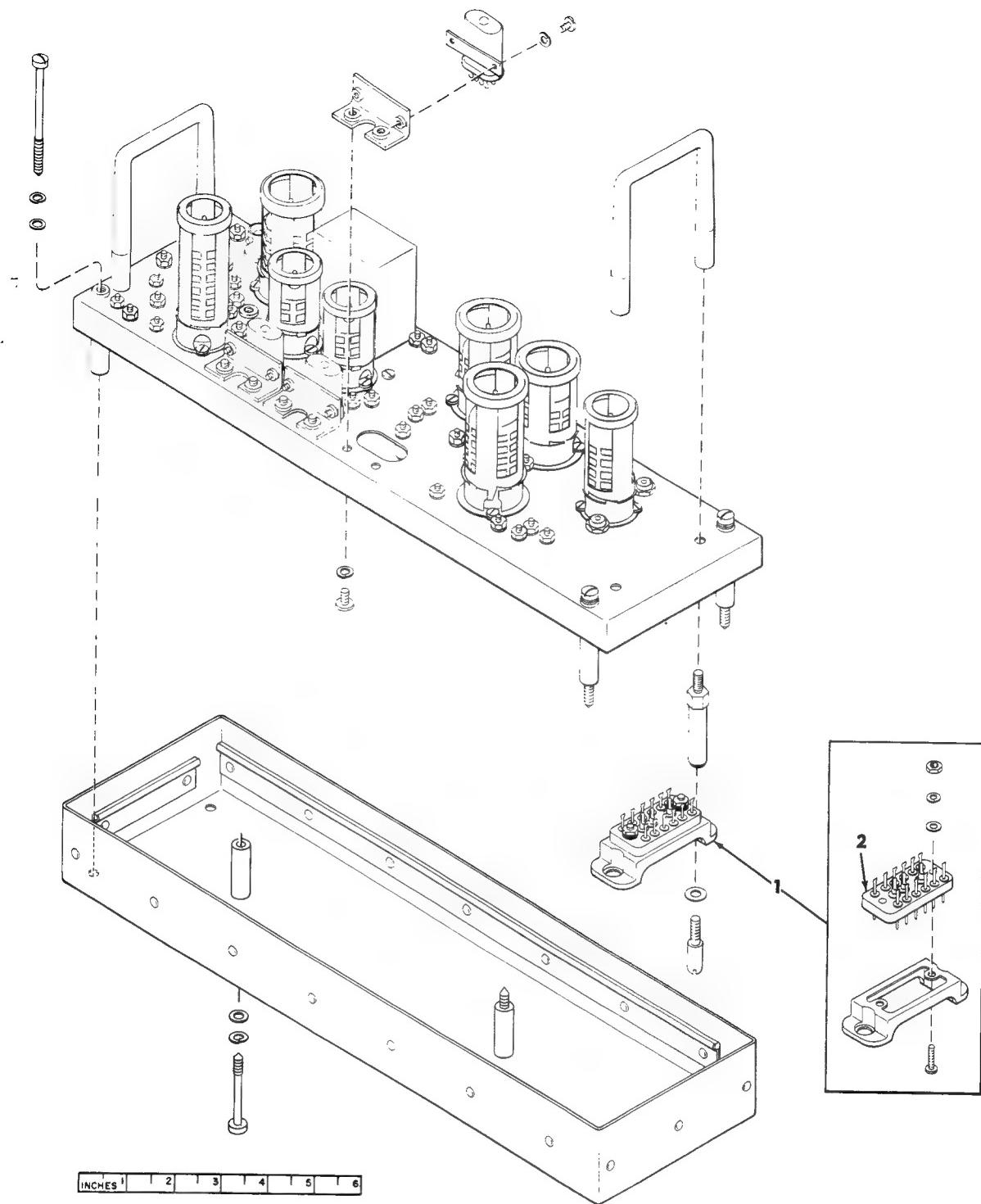
Figure 200. Detector, radio frequency (9009270)—partial exploded view



ORD G260013

- 1 JACK 8175214
- 2 CONNECTOR 7598051
- 3 CONNECTOR 7598934

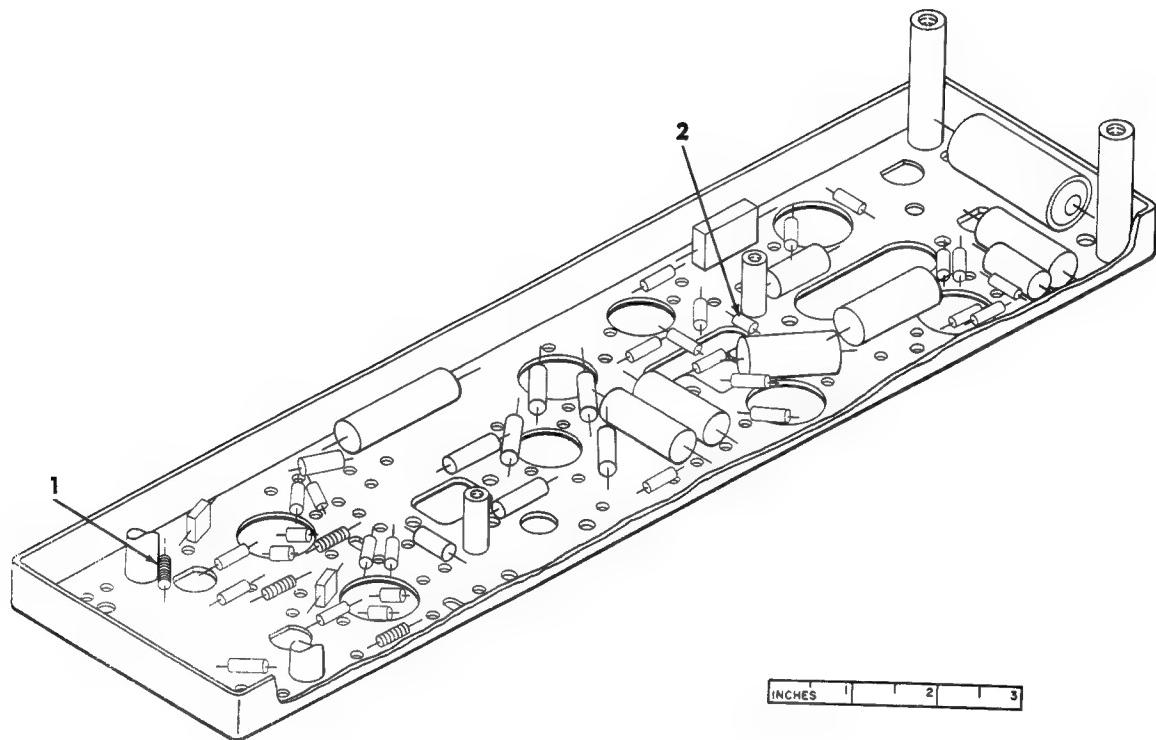
Figure 199. Detector, radio frequency (9009270)—partial exploded view



ORD G260022

1 CONNECTOR 7598051
2 CONNECTOR 7598934

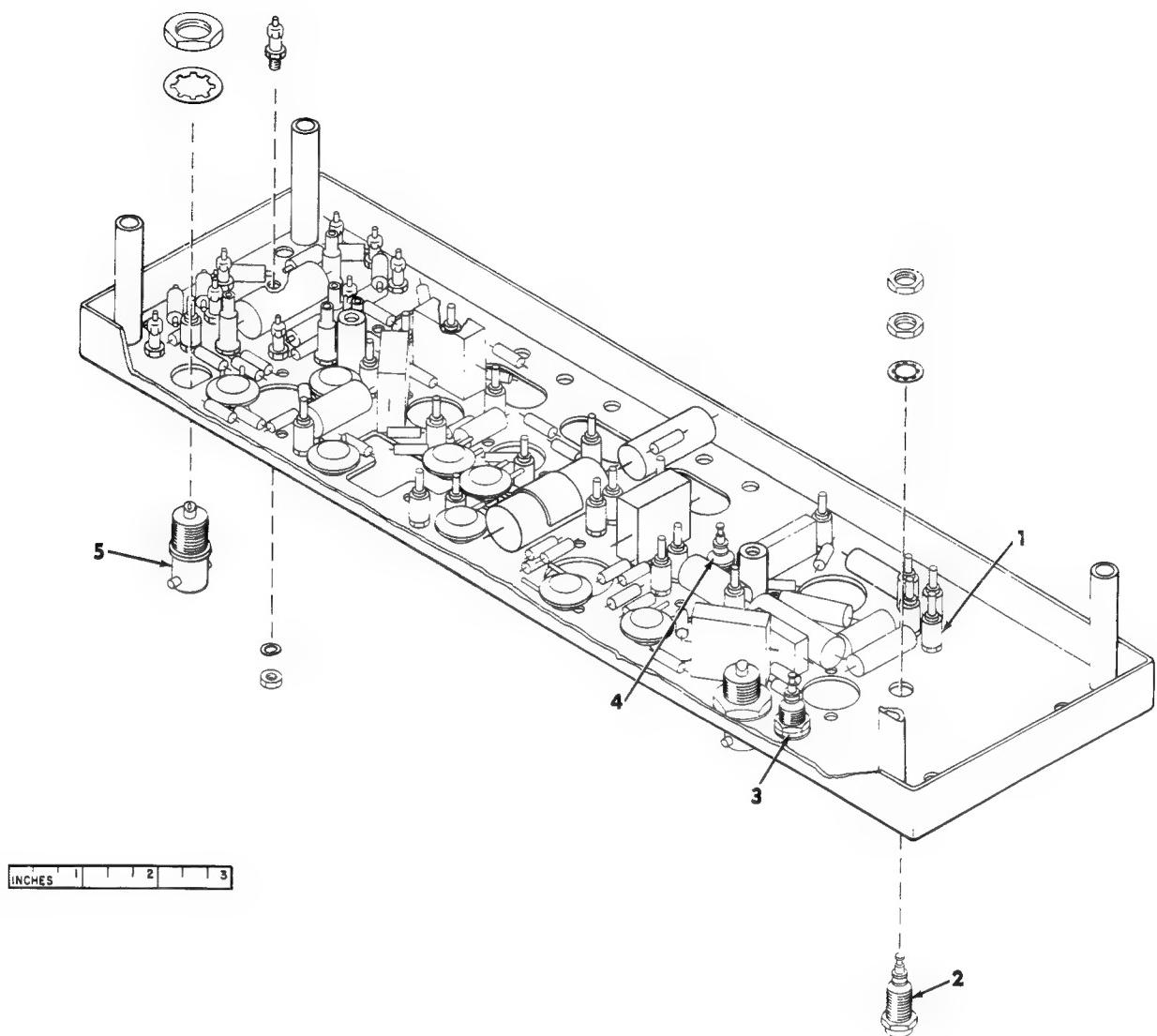
Figure 202. Control, electrical frequency (9009464)—partial exploded view



ORD G284276

1 FILTER 8009590
2 SEMICONDUCTOR DEVICE
1N198

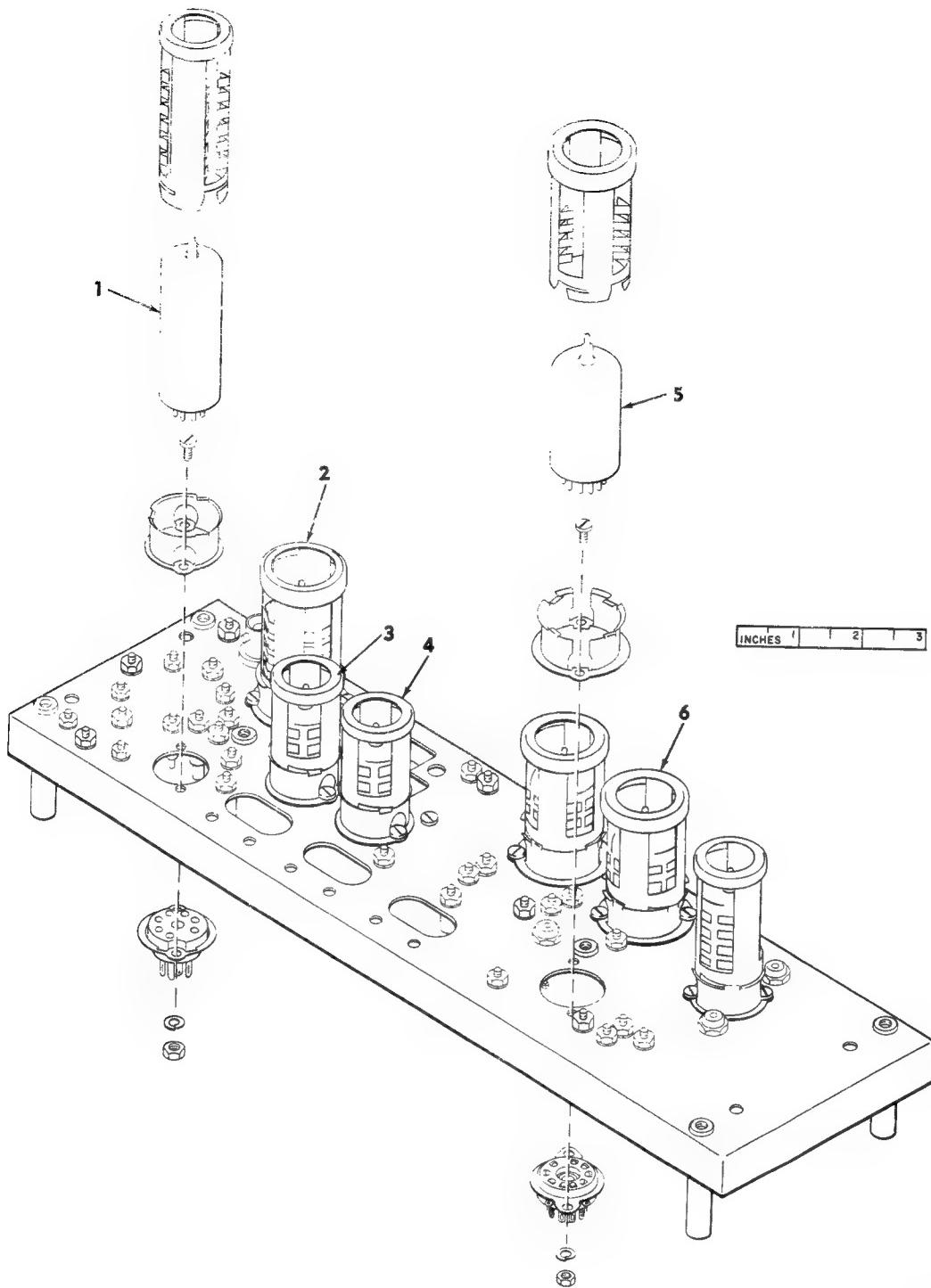
Figure 201. Detector, radio frequency (9009270)—partial exploded view



ORD G284278

- 1 TERMINAL 7598949
- 2 JACK 8134425
- 3 JACK 8175214
- 4 JACK 8175216
- 5 CONNECTOR MS-27035-625b

Figure 204. Control, electrical frequency (9009464)—partial exploded view

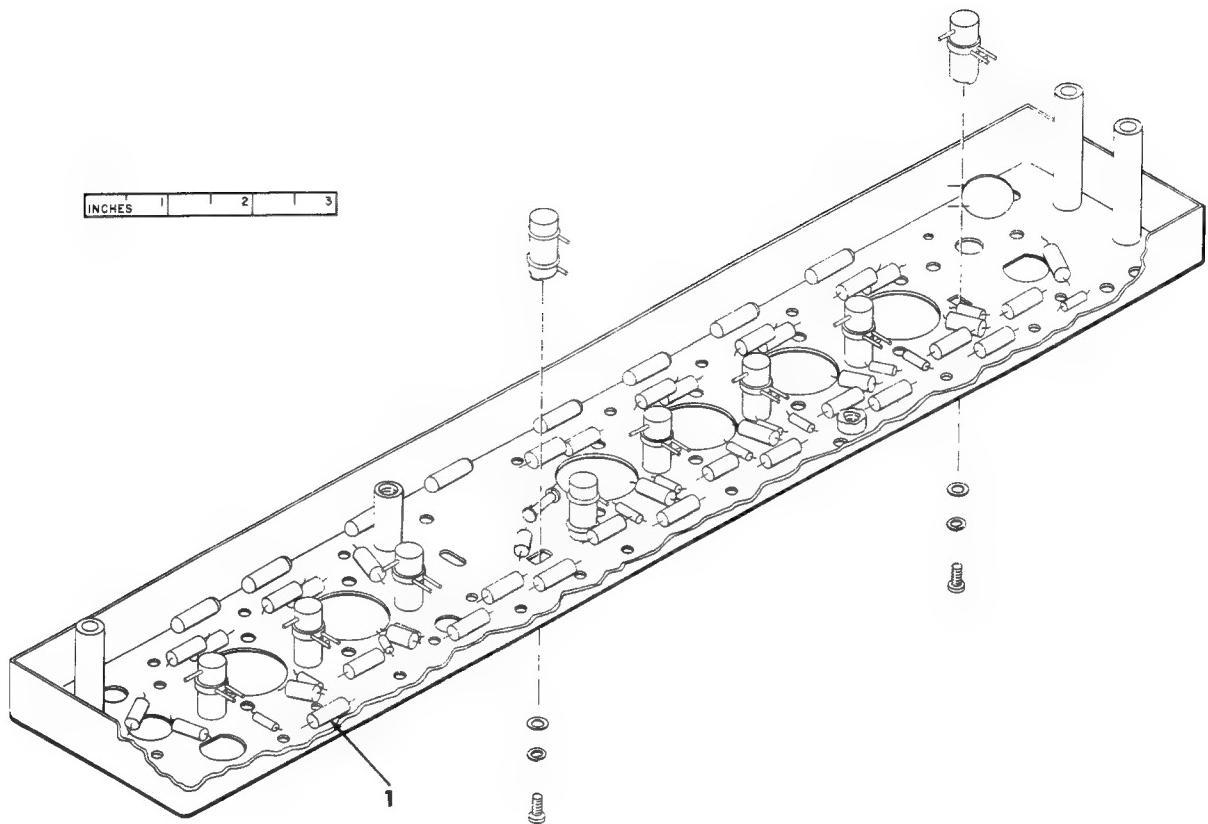


ORD G284277

1 ELECTRON TUBE 0A2WA
 2 ELECTRON TUBE 5687WA
 3 ELECTRON TUBE 5725/6AS6W

4 ELECTRON TUBE 5726/6AL5W
 5 ELECTRON TUBE 5755
 6 ELECTRON TUBE 5670

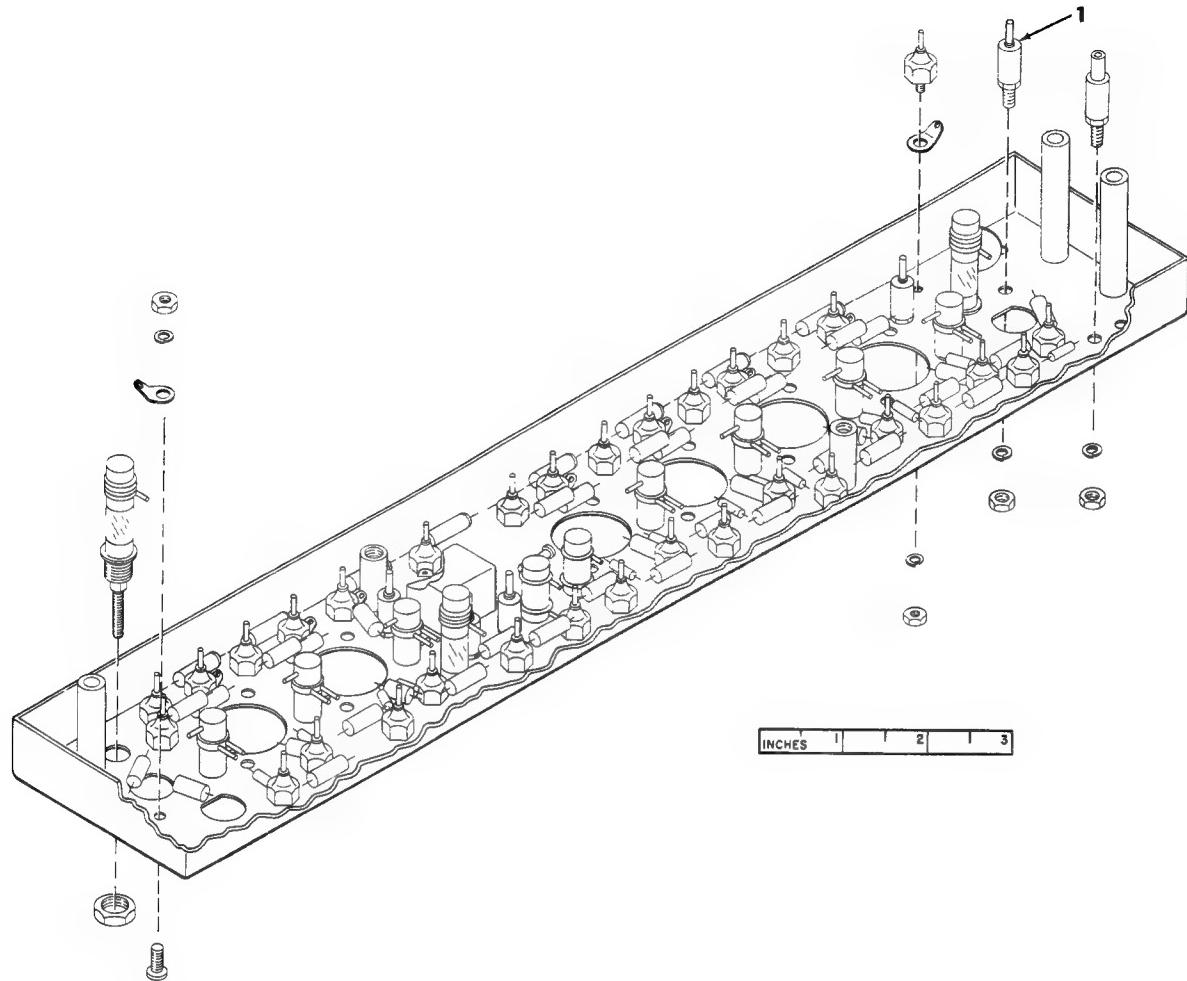
Figure 203. Control, electrical frequency (9009464)—partial exploded view



ORD G284280

1 FILTER 8009590

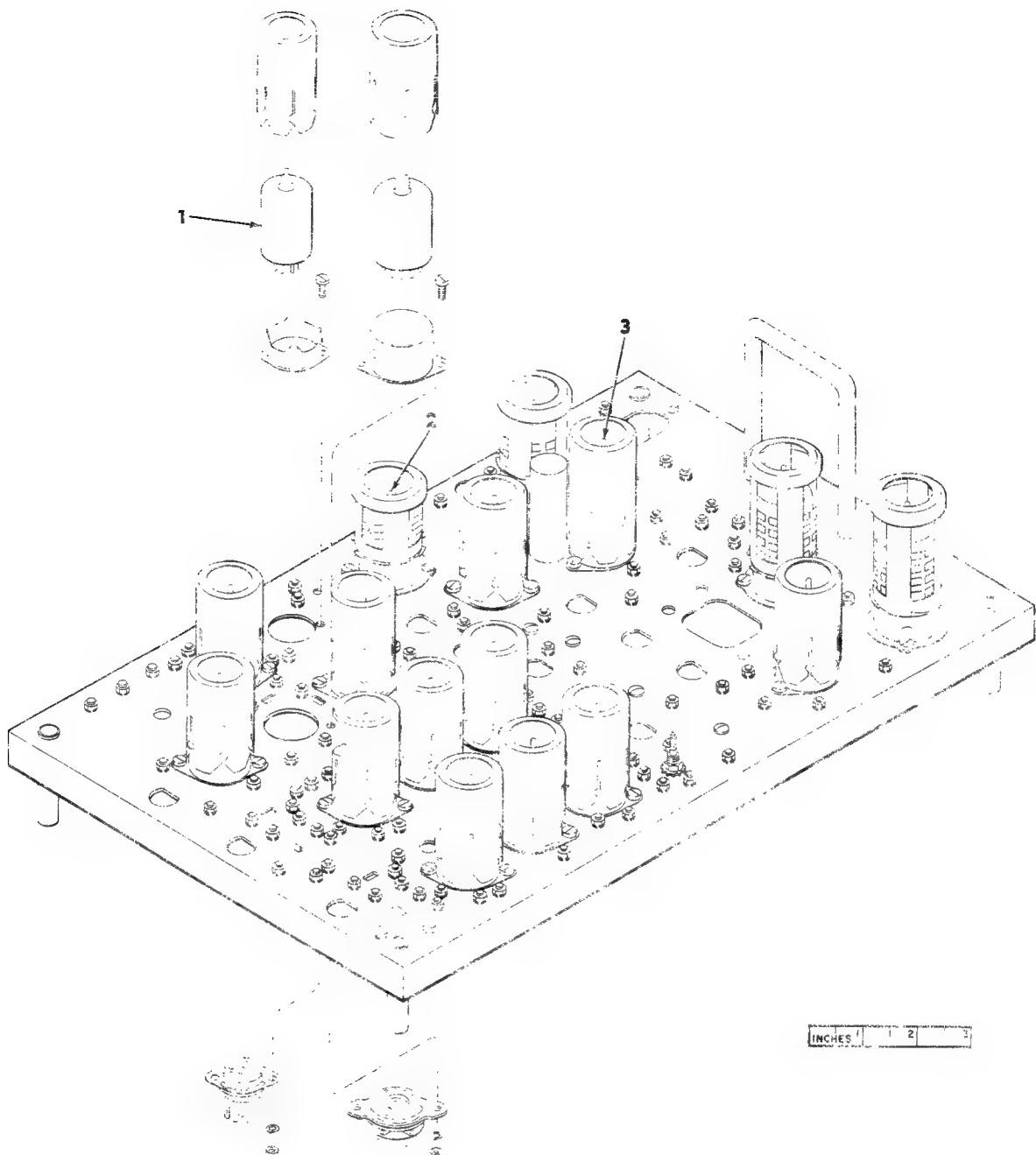
Figure 206. Amplifier, intermediate frequency (9009281)—partial exploded view



ORD G284279

1 TERMINAL 7598949

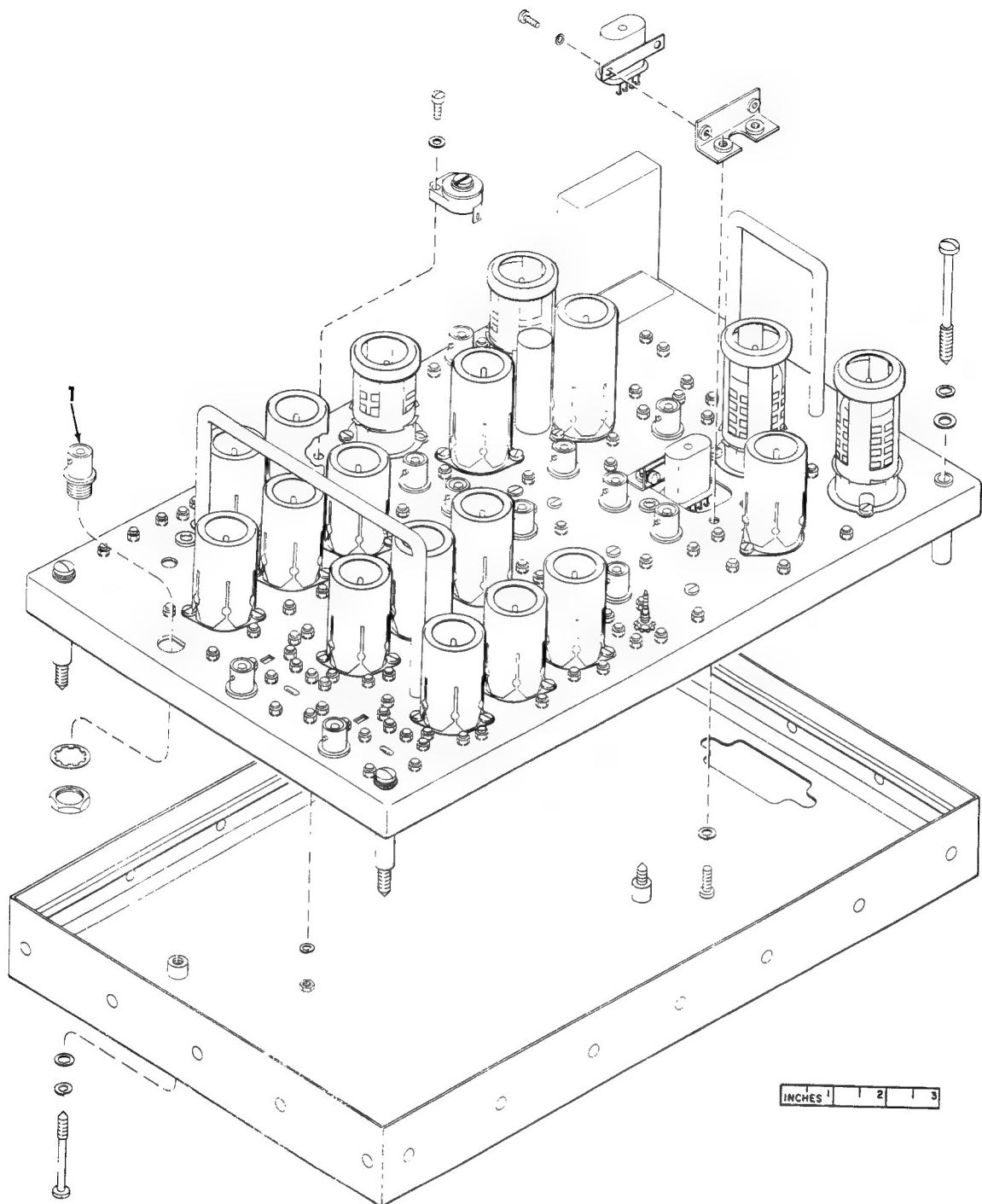
Figure 205. Amplifier, intermediate frequency (9009281) – partial exploded view



ORD G284282

- 1 ELECTRON TUBE 5726/6ALS
- 2 ELECTRON TUBE 5670
- 3 ELECTRON TUBE 5687WA

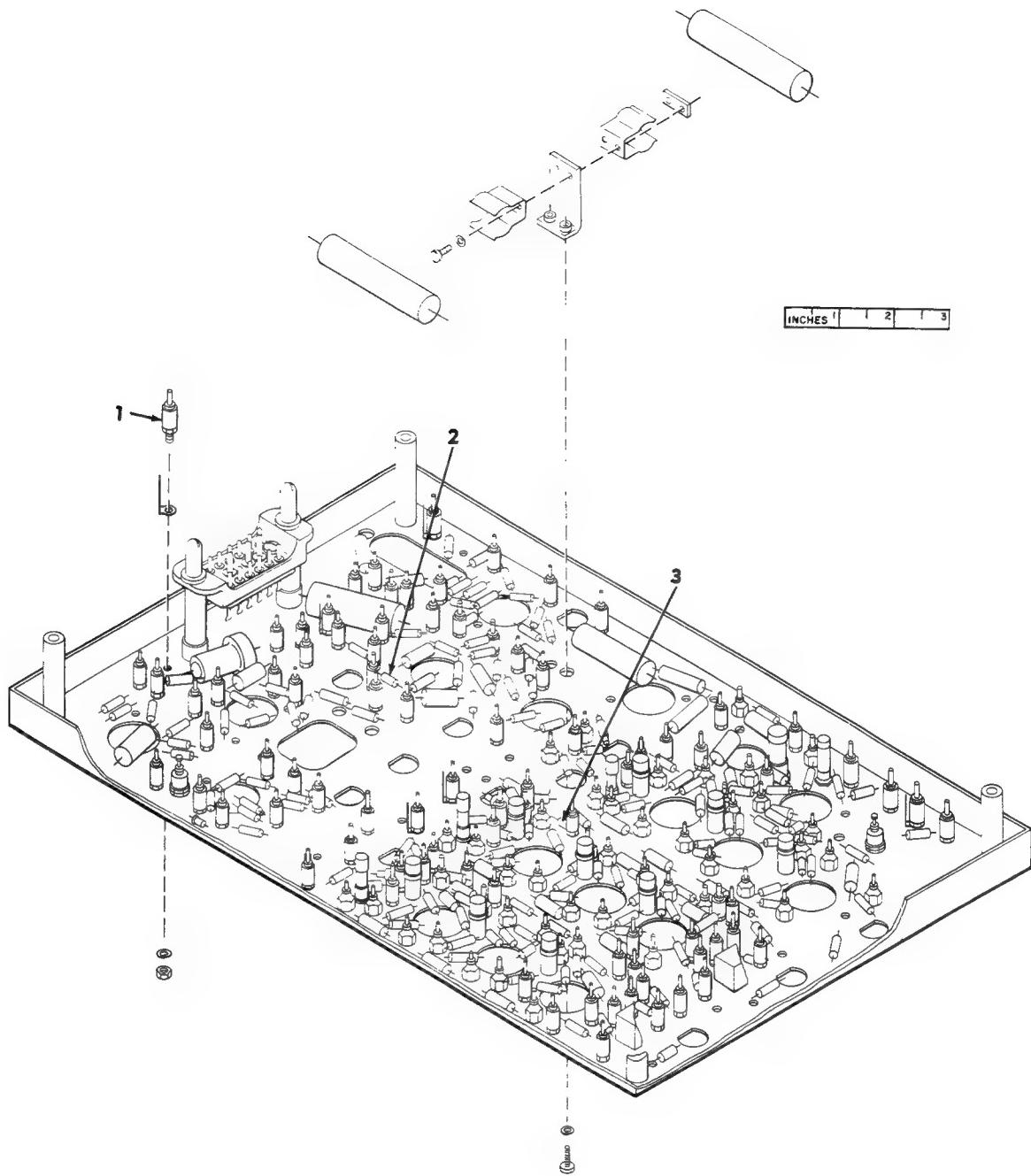
Figure 263. Amplifier-detector - 9009562; - partial exploded view



ORD G284281

1 CONNECTOR MS-27030-6258

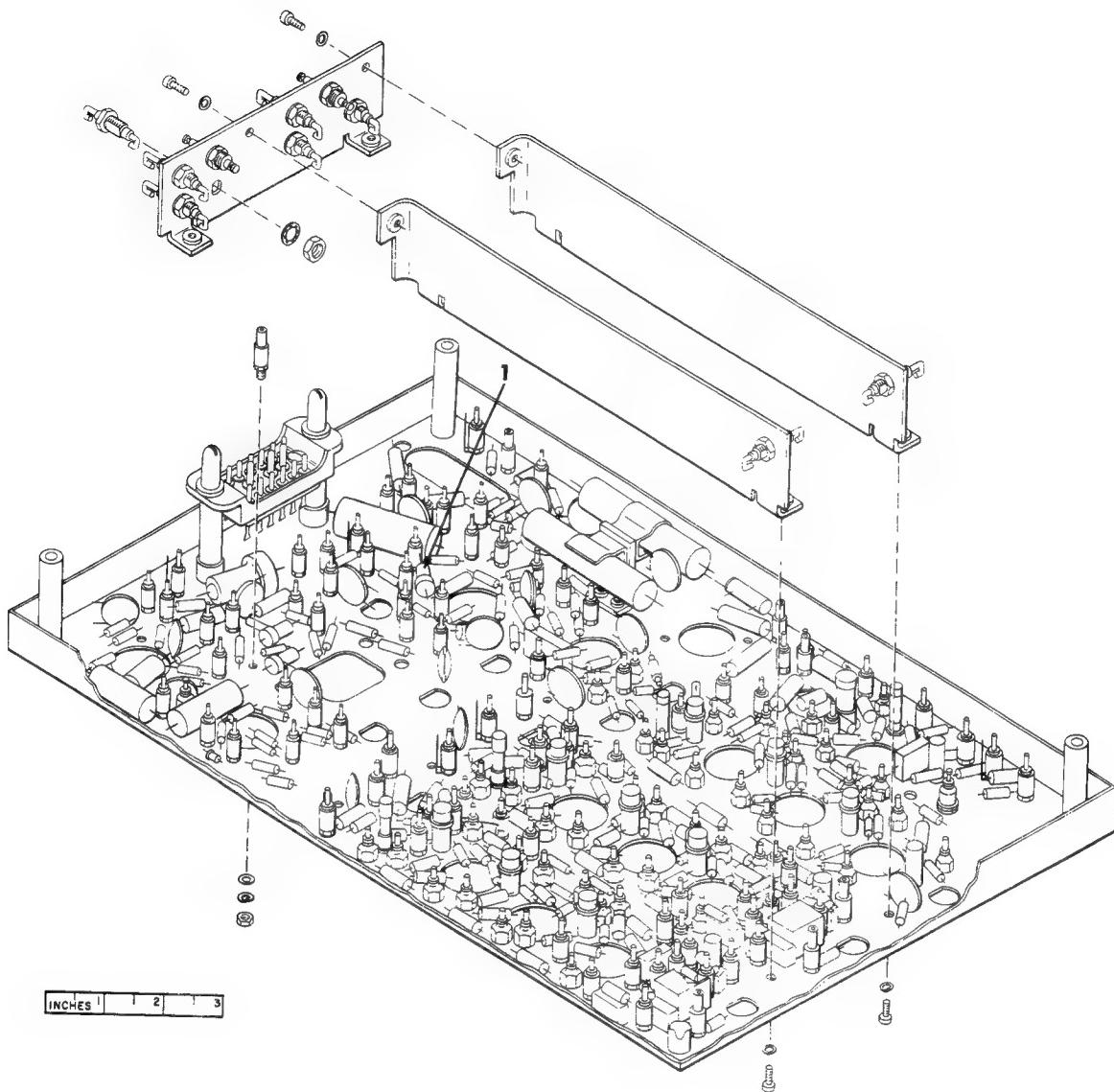
Figure 207. Amplifier-detector (9009562)—partial exploded view



ORD G284283

- 1 TERMINAL 7598949
- 2 SEMICONDUCTOR DEVICE
IN198
- 3 FILTER 8009590

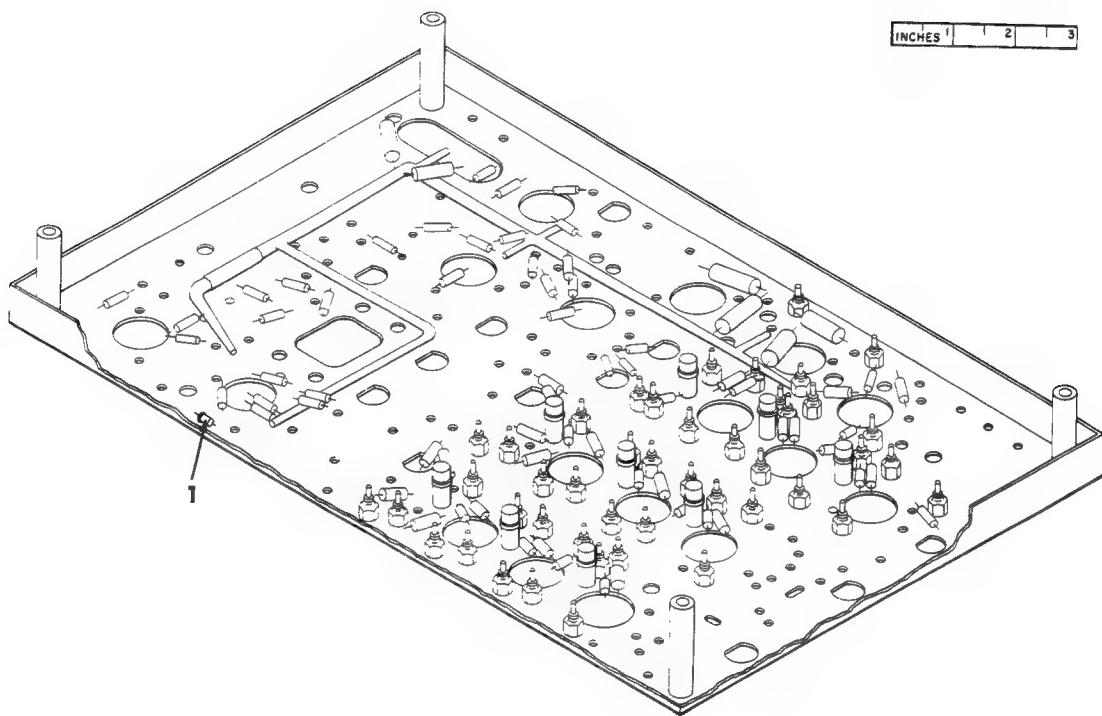
Figure 210. Amplifier-detector (9009562) - partial exploded view



ORD G260026

1 CAPACITOR 302343.

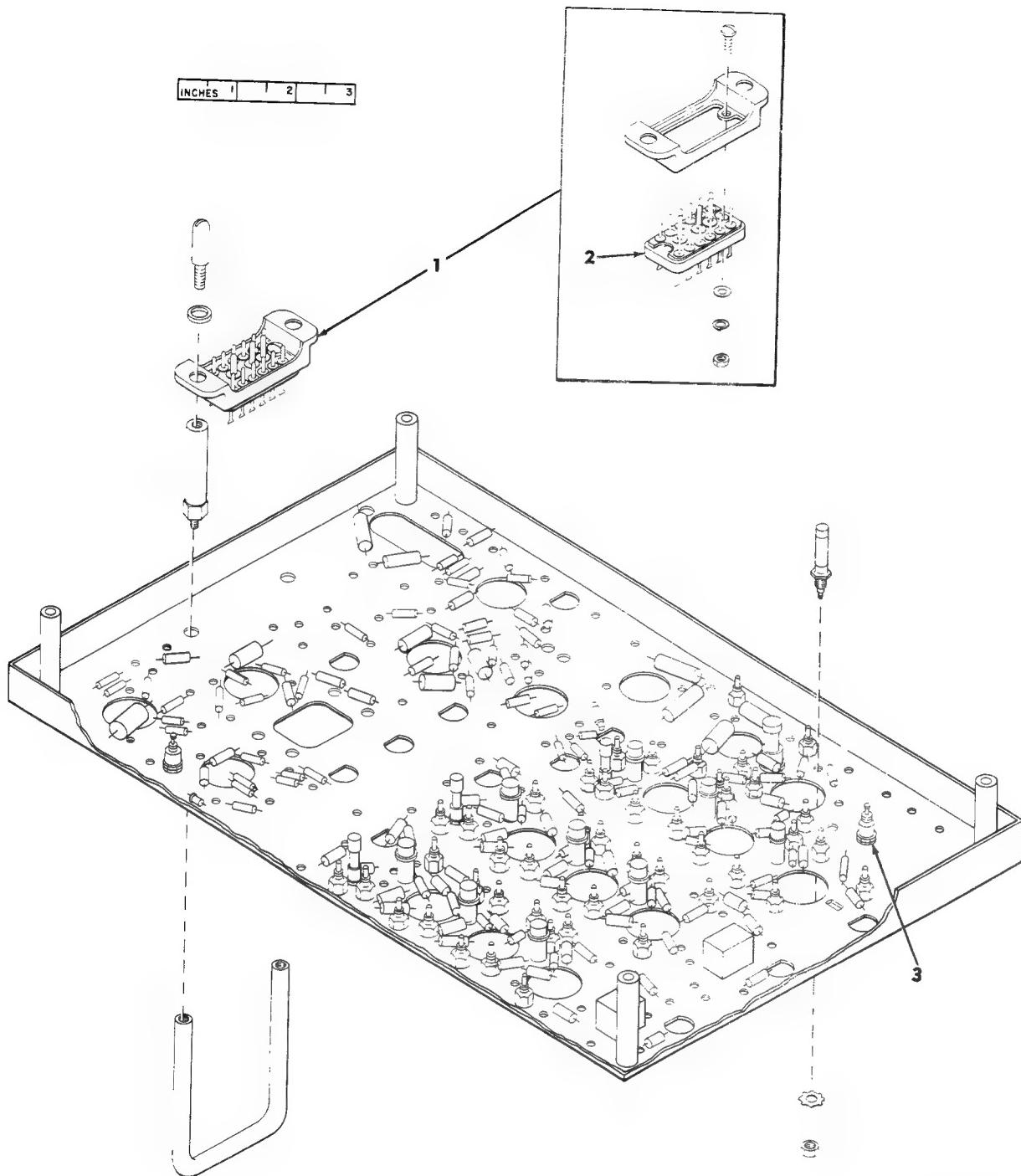
Figure 209. Amplifier-detector (9009562)—partial exploded view



ORD G260029

I SEMICONDUCTOR DEVICE
9137420

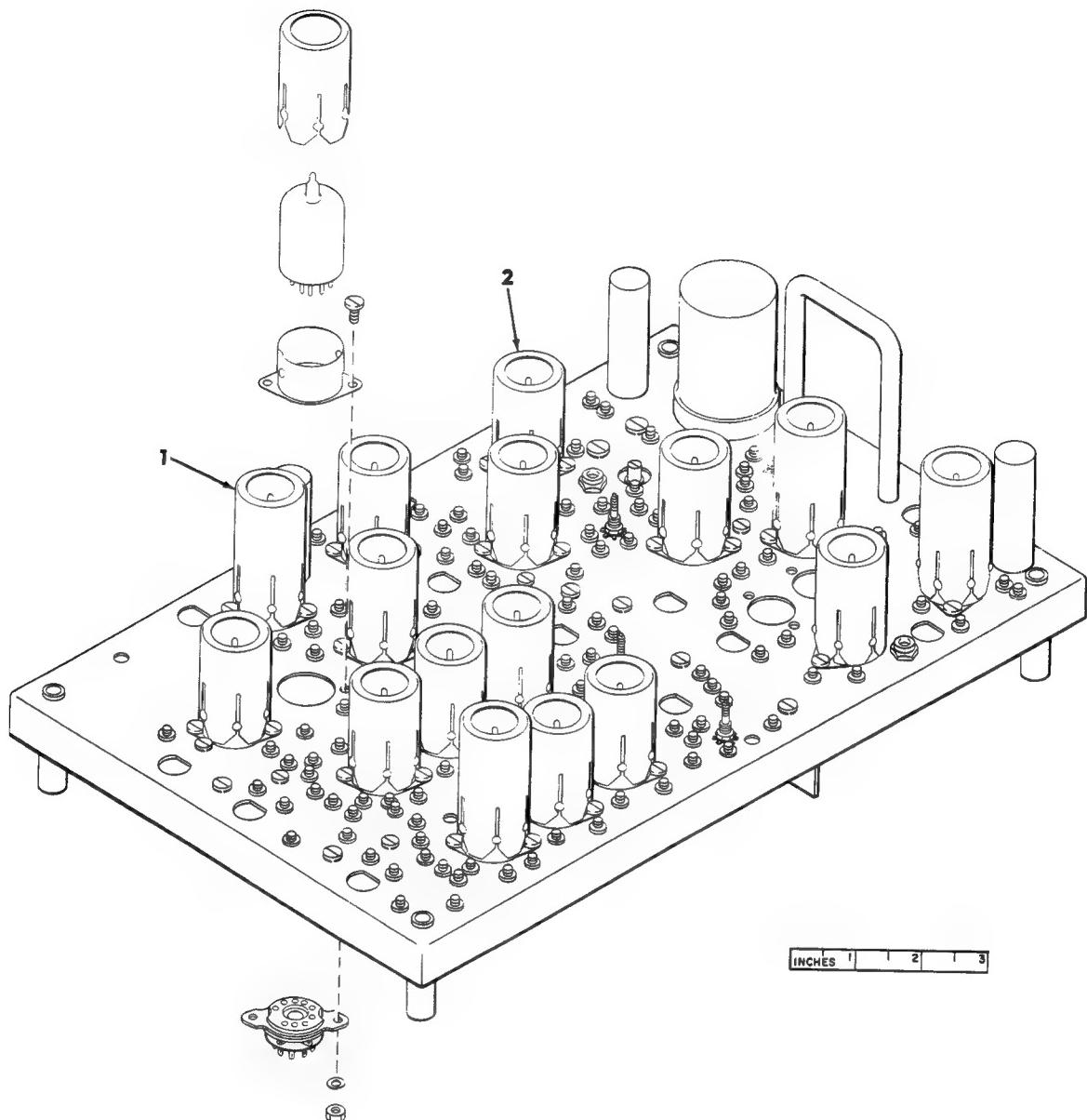
Figure 212. Amplifier-detector (9009562) - partial exploded view



ORD G284284

- 1 CONNECTOR 7598051
- 2 CONNECTOR 7598934
- 3 JACK 8175214

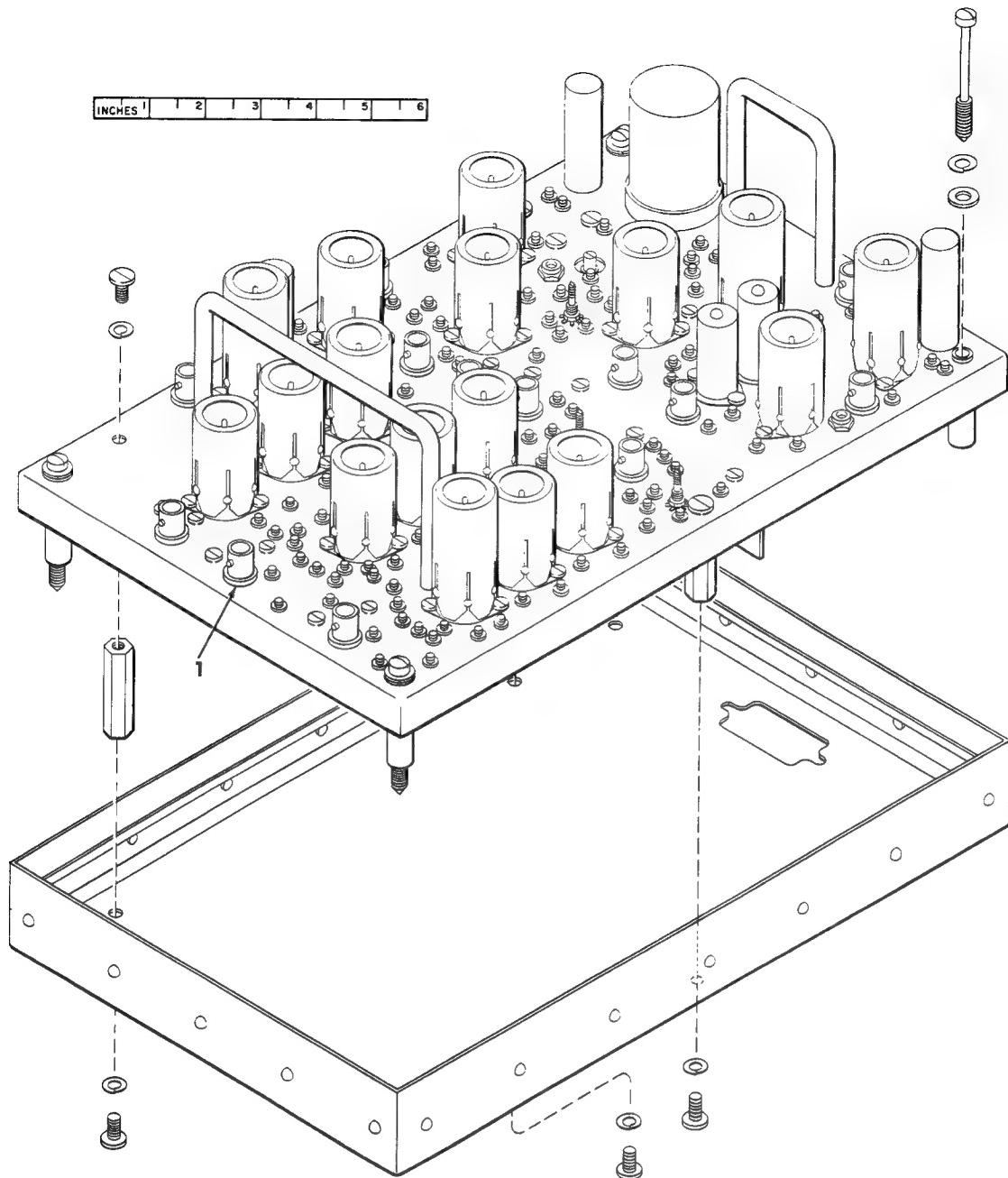
Figure 211. Amplifier-detector (9009562) - partial exploded view



ORD G284286

1 ELECTRON TUBE 5687WA
 2 ELECTRON TUBE 5670

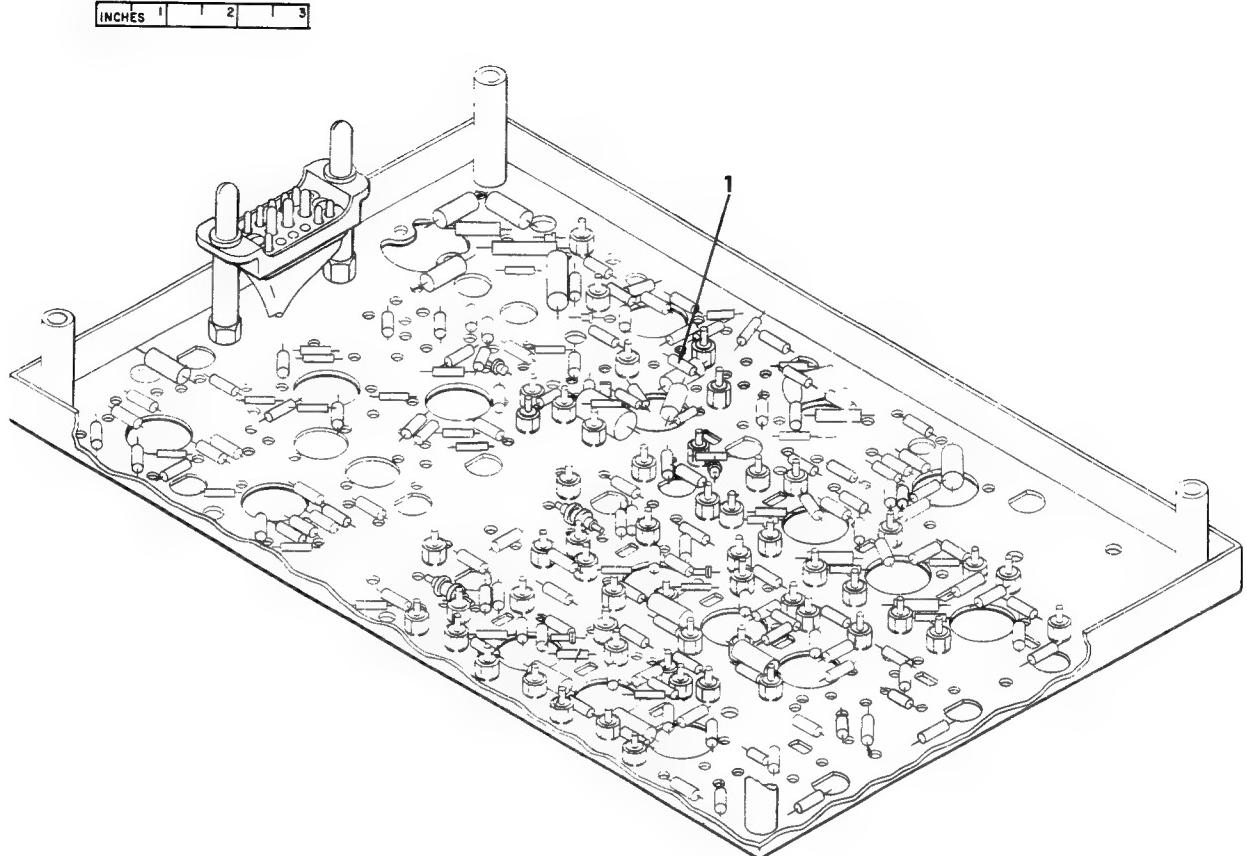
Figure 214. Amplifier-detector (9997999)—partial exploded view



ORD G284285

1 CONNECTOR MS-27035-625B

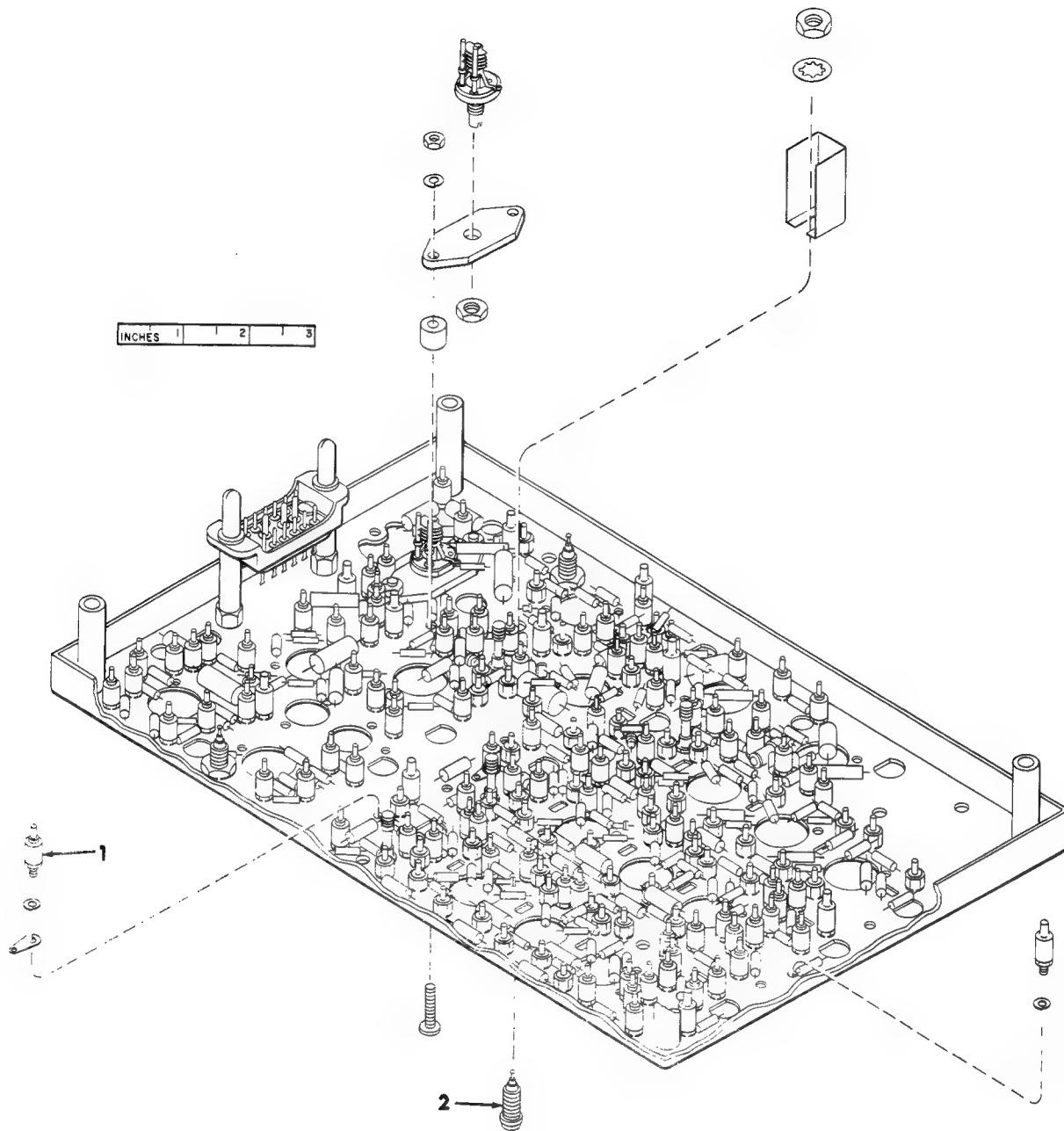
Figure 213. Amplifier-detector (9997999)—partial exploded view



ORD G284288

1 FILTER 8009590

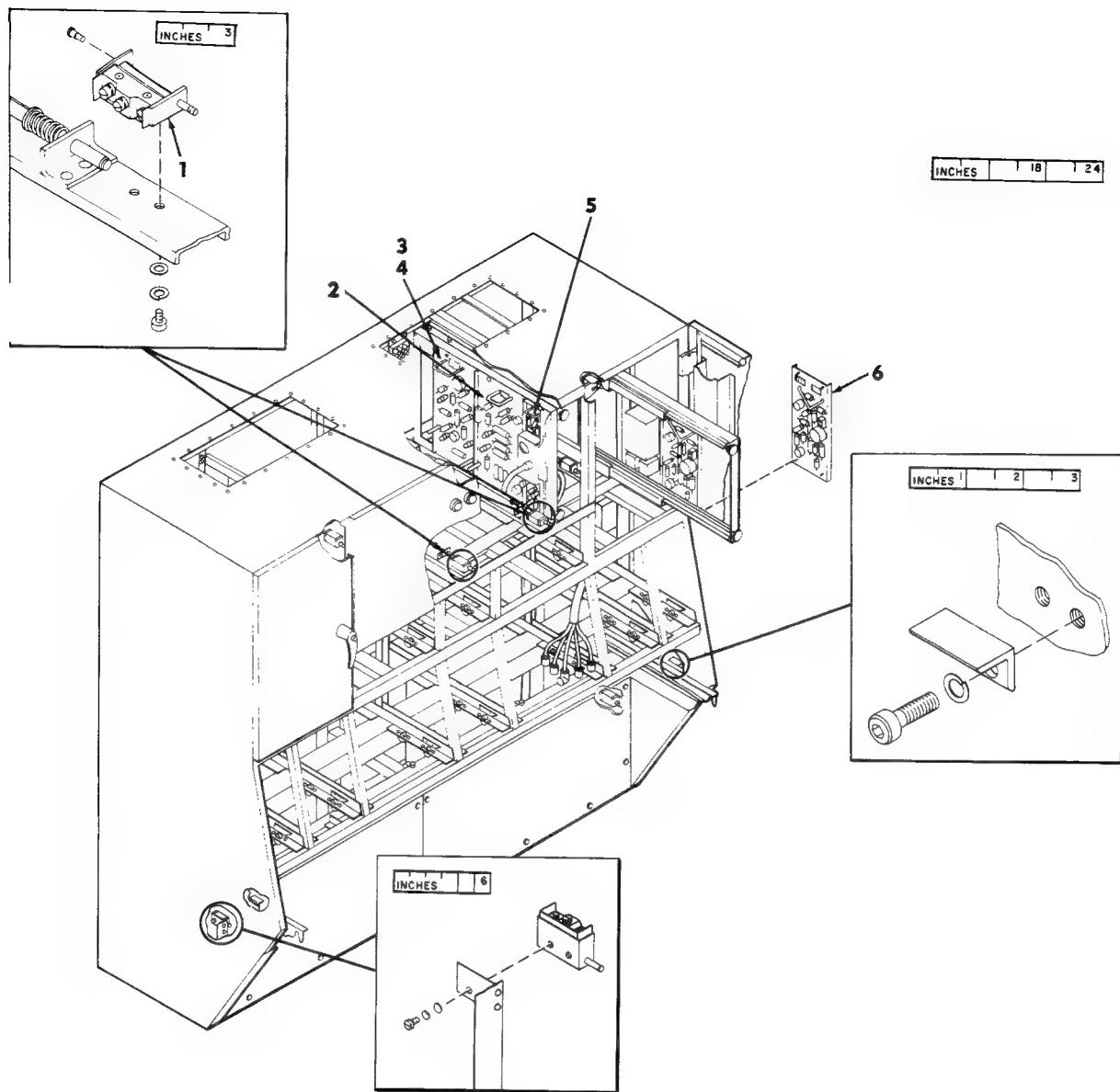
Figure 216. Amplifier-detector (9997999) - partial exploded view



ORD G284287

1 TERMINAL 7598949
 2 JACK 8134425

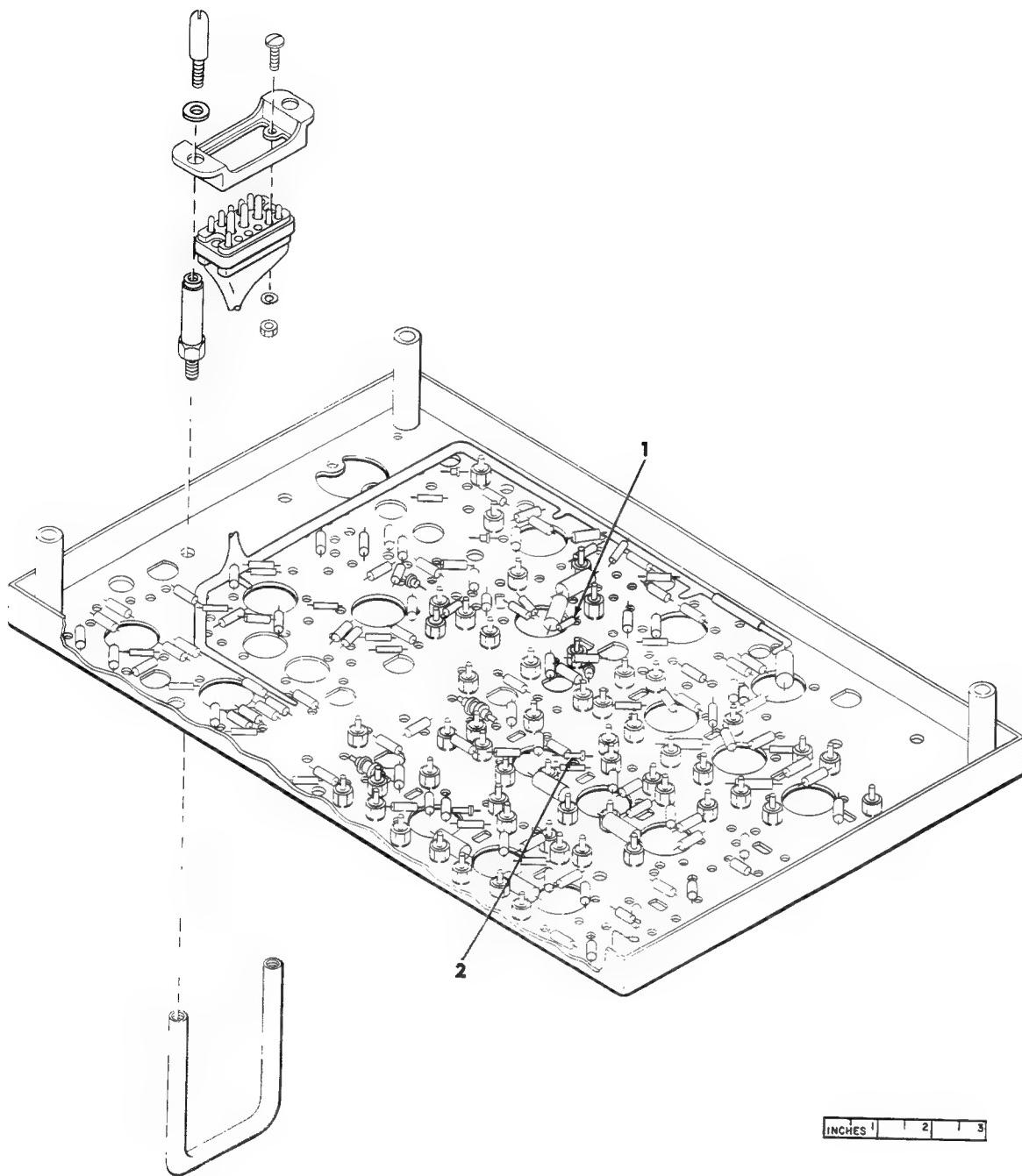
Figure 215. Amplifier-detector (9997999) - partial exploded view



ORD G284290

- 1 SWITCH 7602749
- 2 AMPLIFIER 9986339
- 3 SYNCHRONIZER 9144786
- 4 SYNCHRONIZER 9989392
- 5 ADAPTER 8520413
- 6 AMPLIFIER 9006949

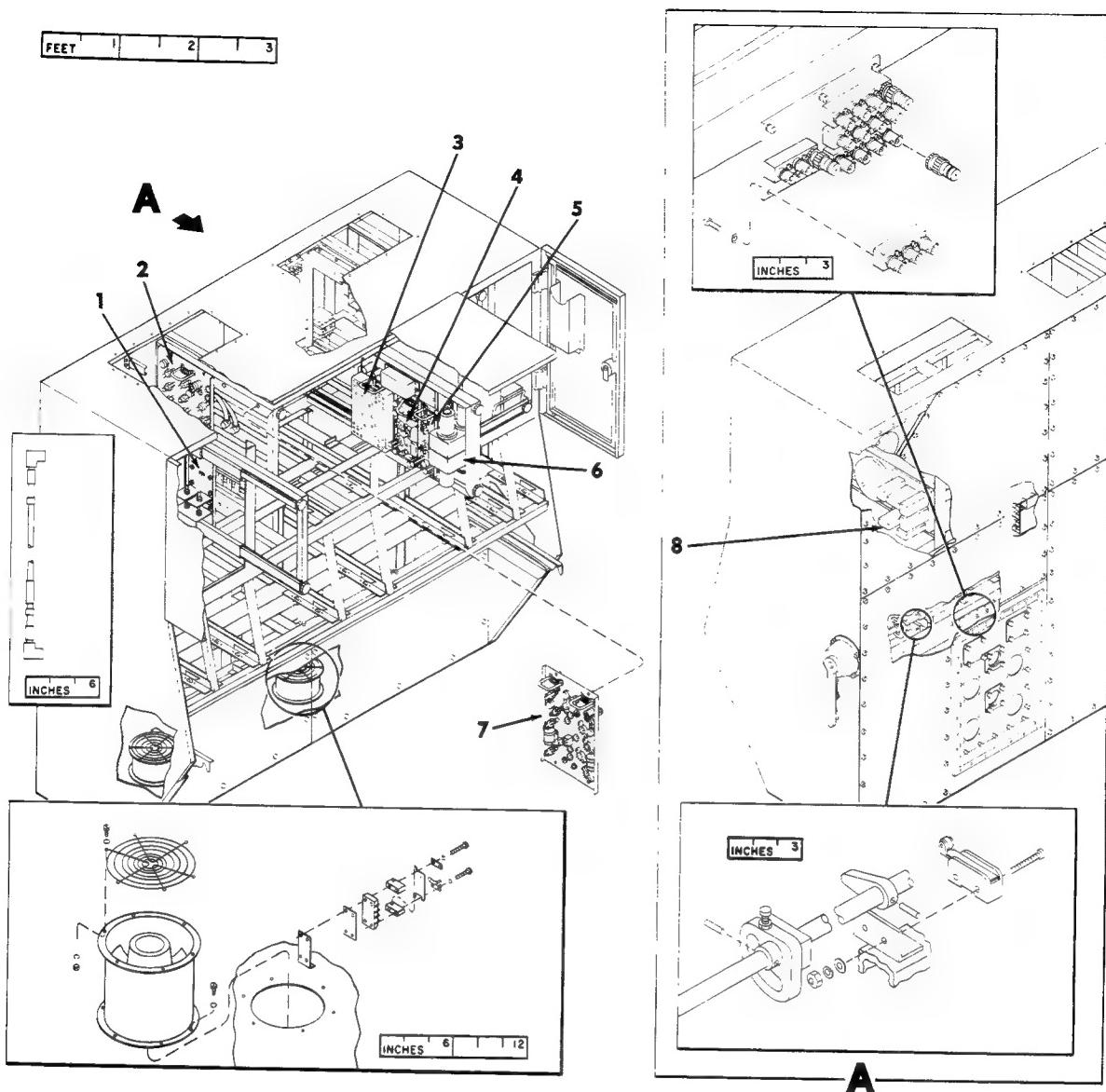
Figure 218. Console, radar control (9143789)—partial exploded view



ORD G284289

1 FILTER 8009590
 2 SEMICONDUCTOR DEVICE
 9137420

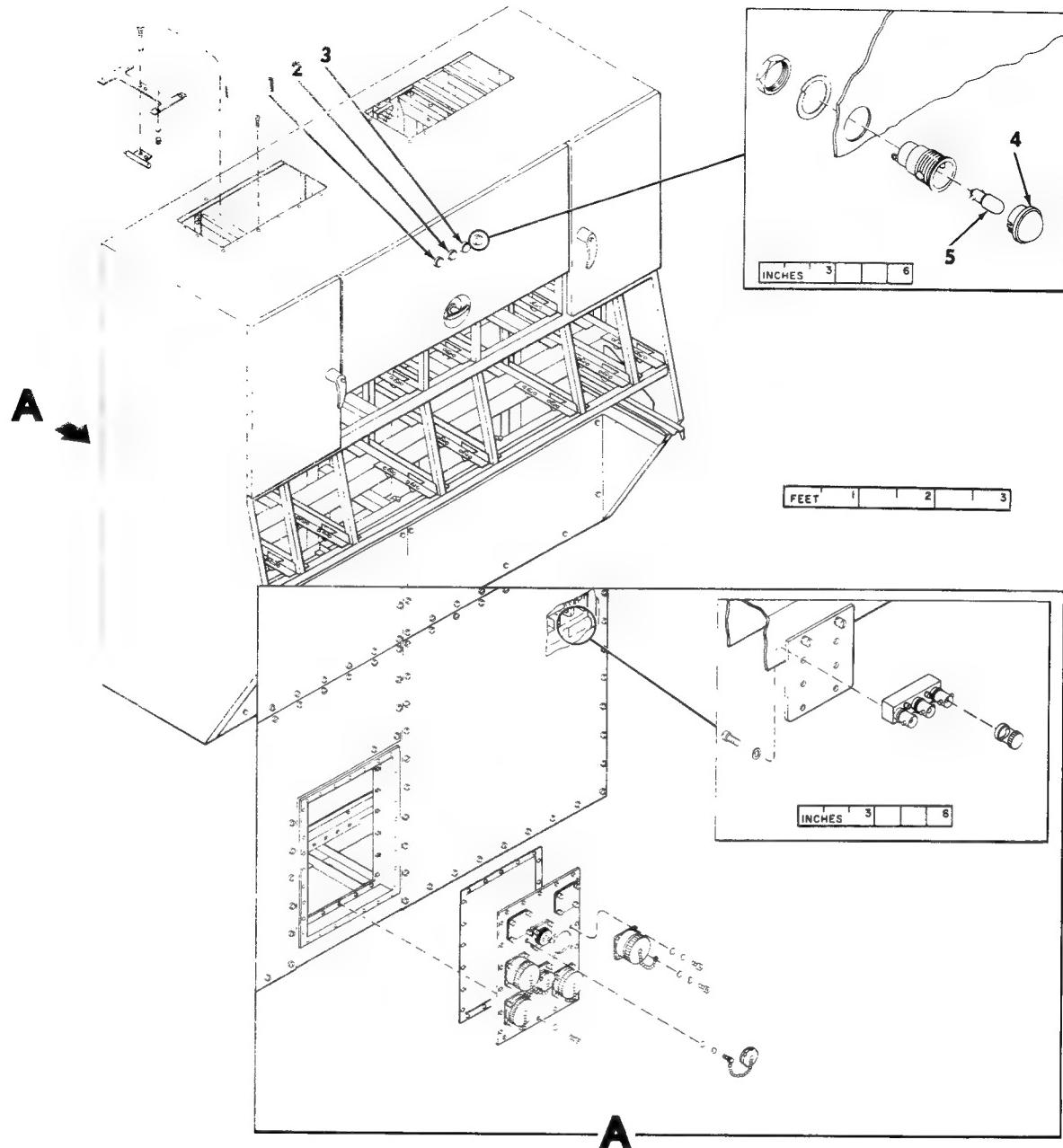
Figure 217. Amplifier-detector (9997999) - partial exploded view



ORD G284292

- 1 POWER SUPPLY 9986424
- 2 GENERATOR 9144785
- 3 AMPLIFIER 9145772
- 4 GENERATOR 9007682
- 5 GENERATOR 9145780
- 6 SYNCHRO ASSEMBLY 9995973
- 7 DETECTOR 9144784
- 8 TELEPHONE SET 8010134

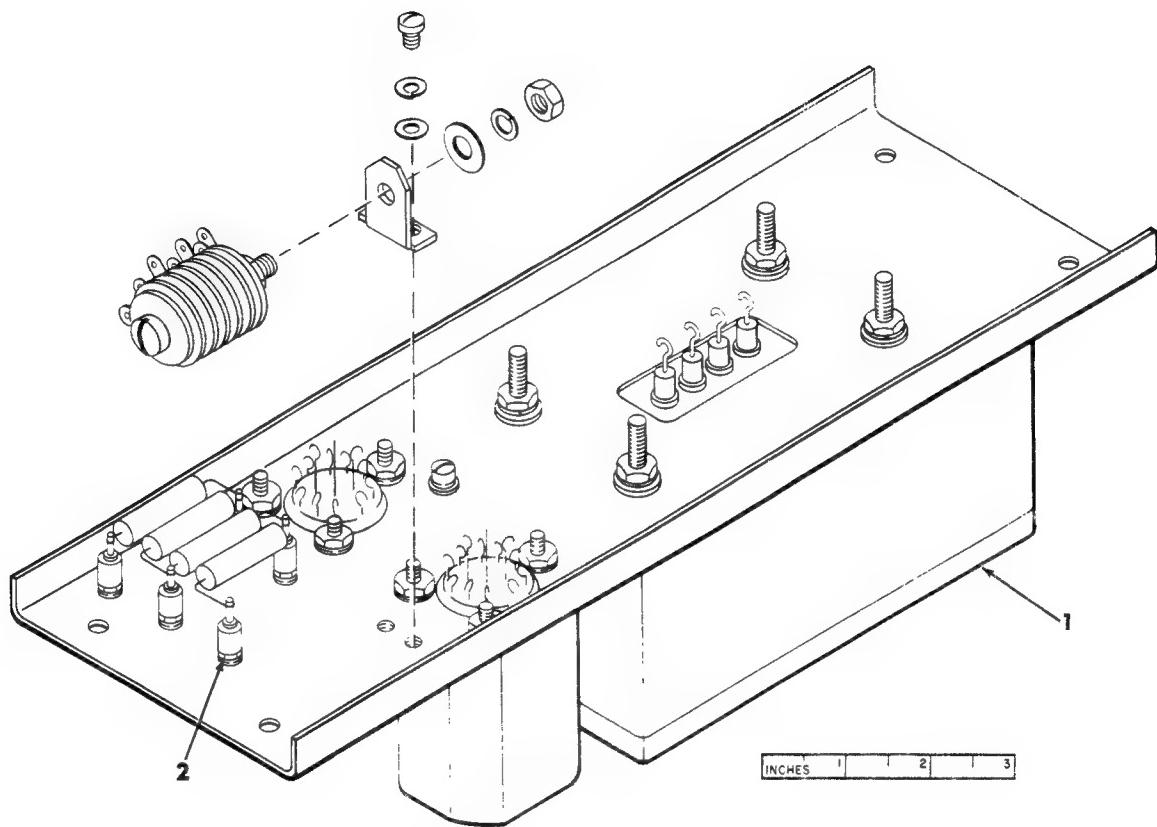
Figure 220. Console, radar control (9143789)—partial exploded view



- 1 LENS 8175630
 2 LENS 8175631
 3 LENS 8175445
 4 LENS 7599998
 5 LAMP MS-25231-1819

ORD G284291

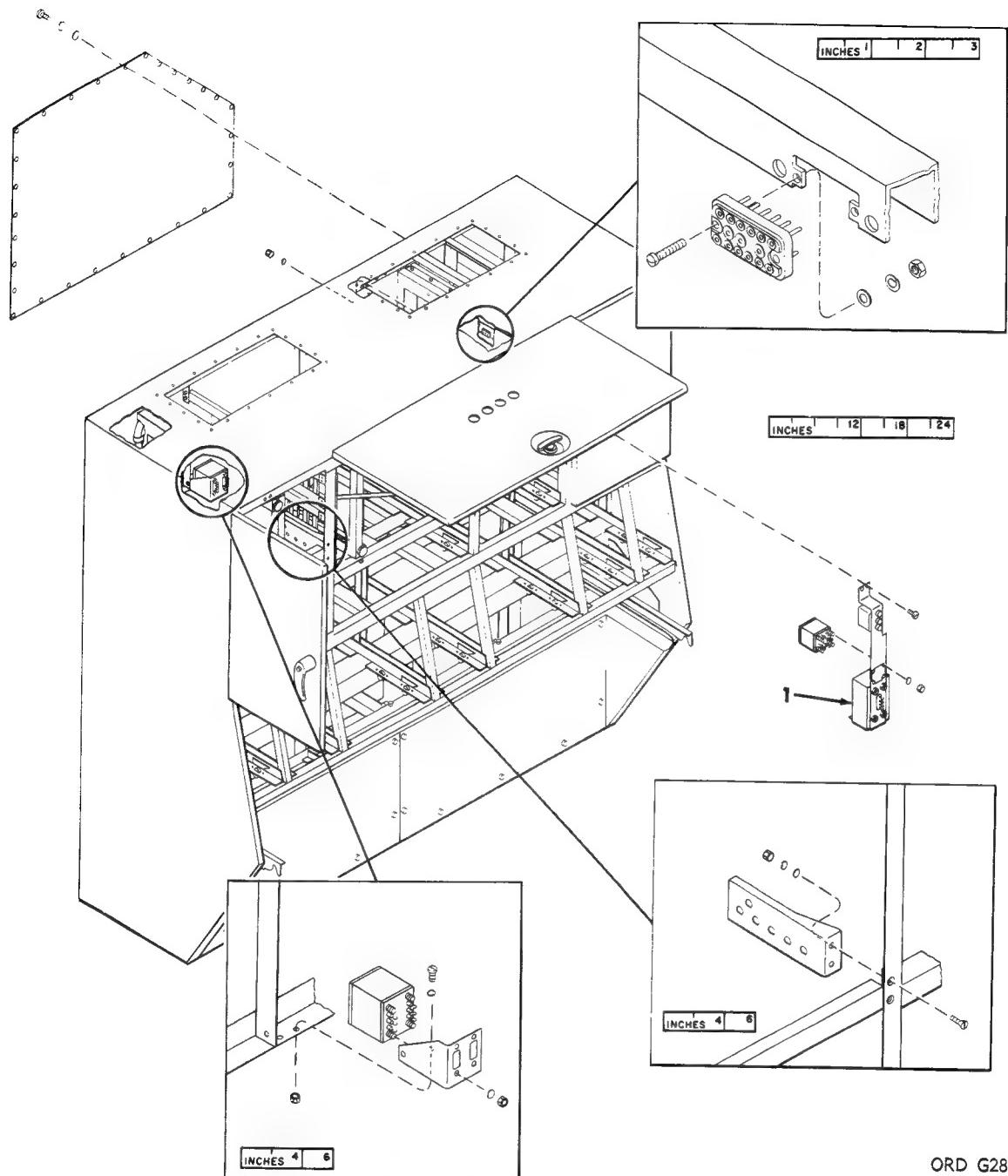
Figure 219. Console, radar control (9143789) - partial exploded view



ORD G284294

1 REGULATOR 8015382
2 TERMINAL 7598949

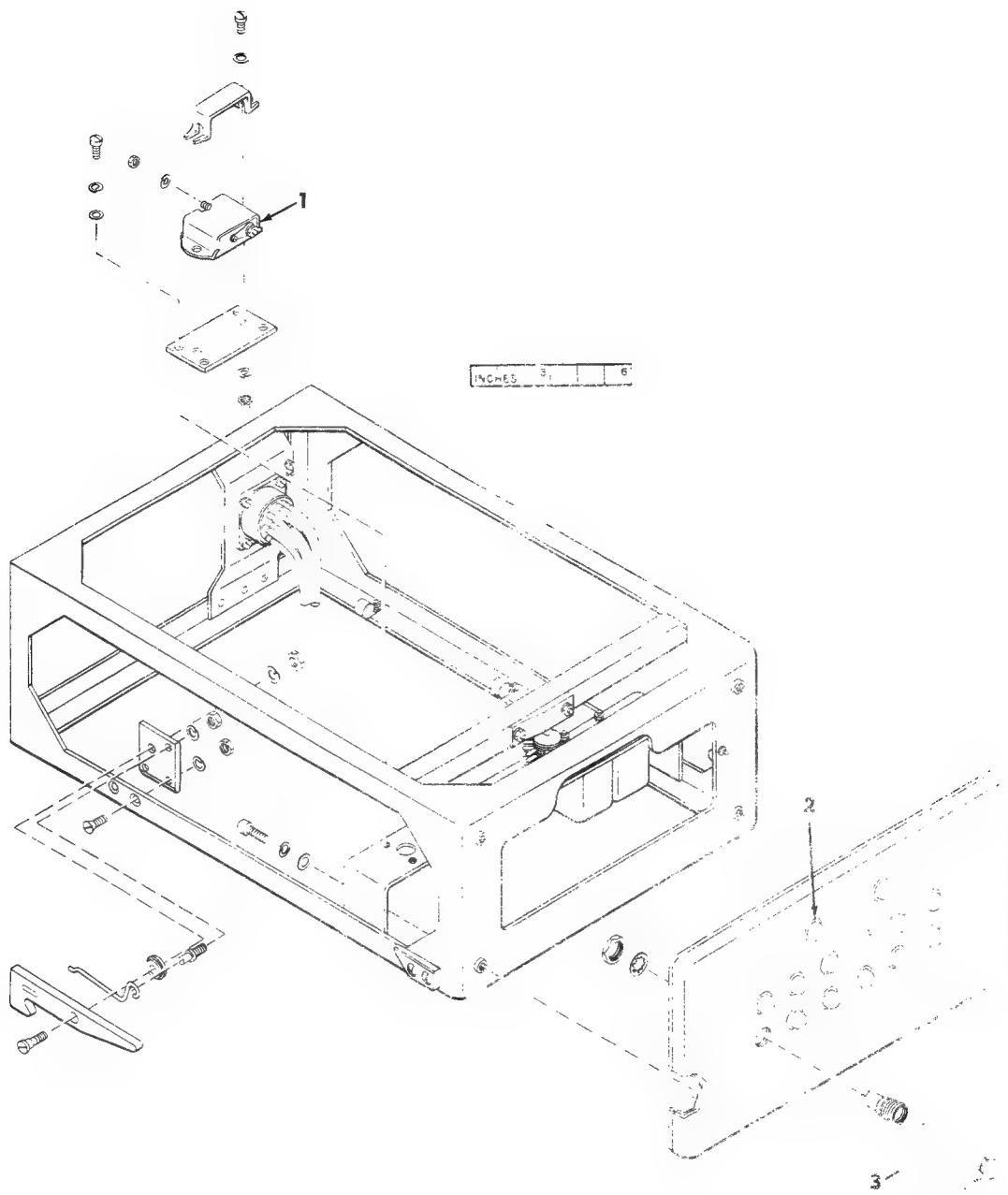
Figure 222. Regulator (8012233) - exploded view



ORD G284293

I REGULATOR 8015382

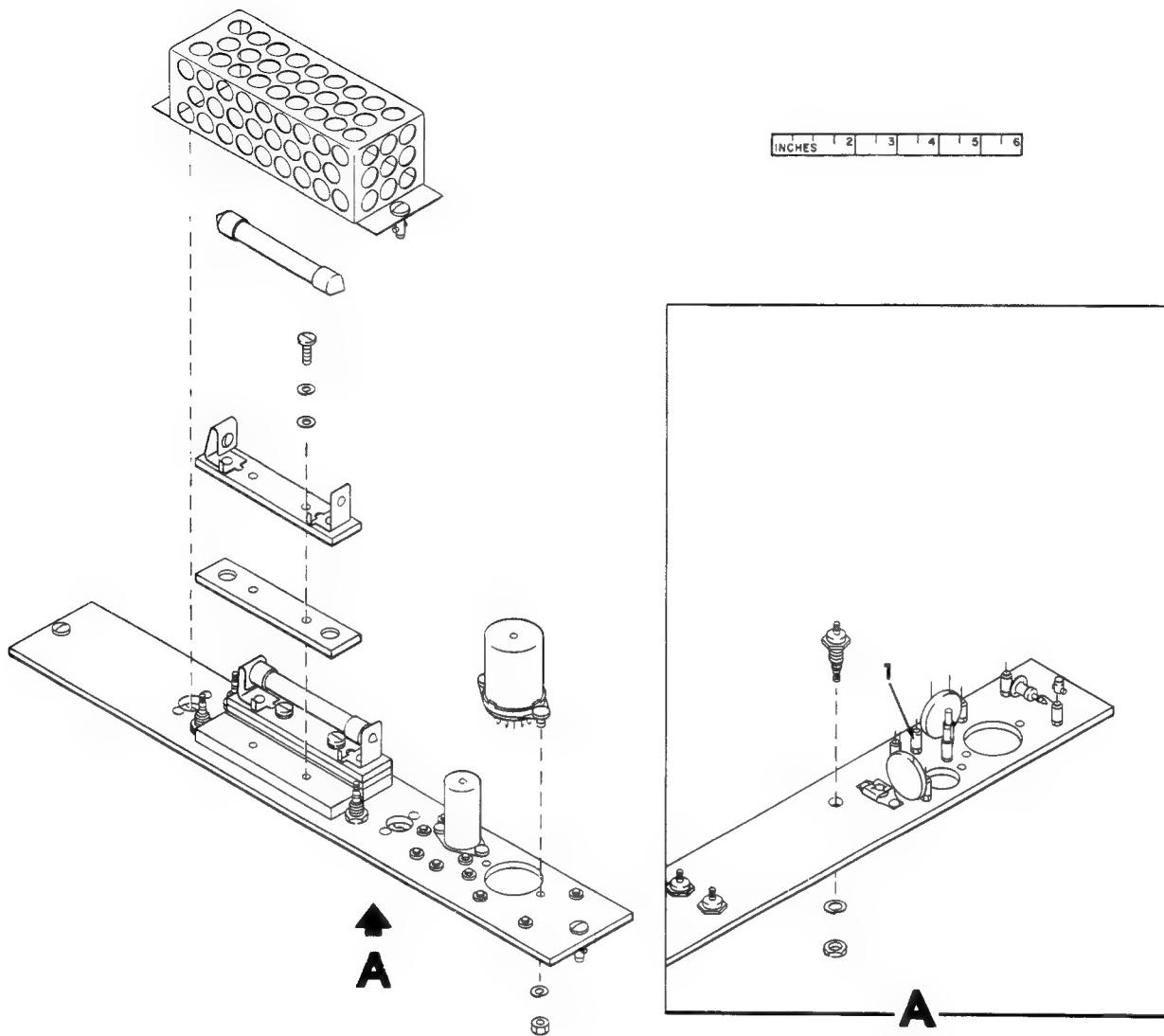
Figure 221. Console, radar control (9143789)–partial exploded view



PRO-SPEC

- 1 BUZZER 75999-3
- 2 LENS 8175032
- 3 LAMP MS-25231-1819
- 4 LENS 8175031

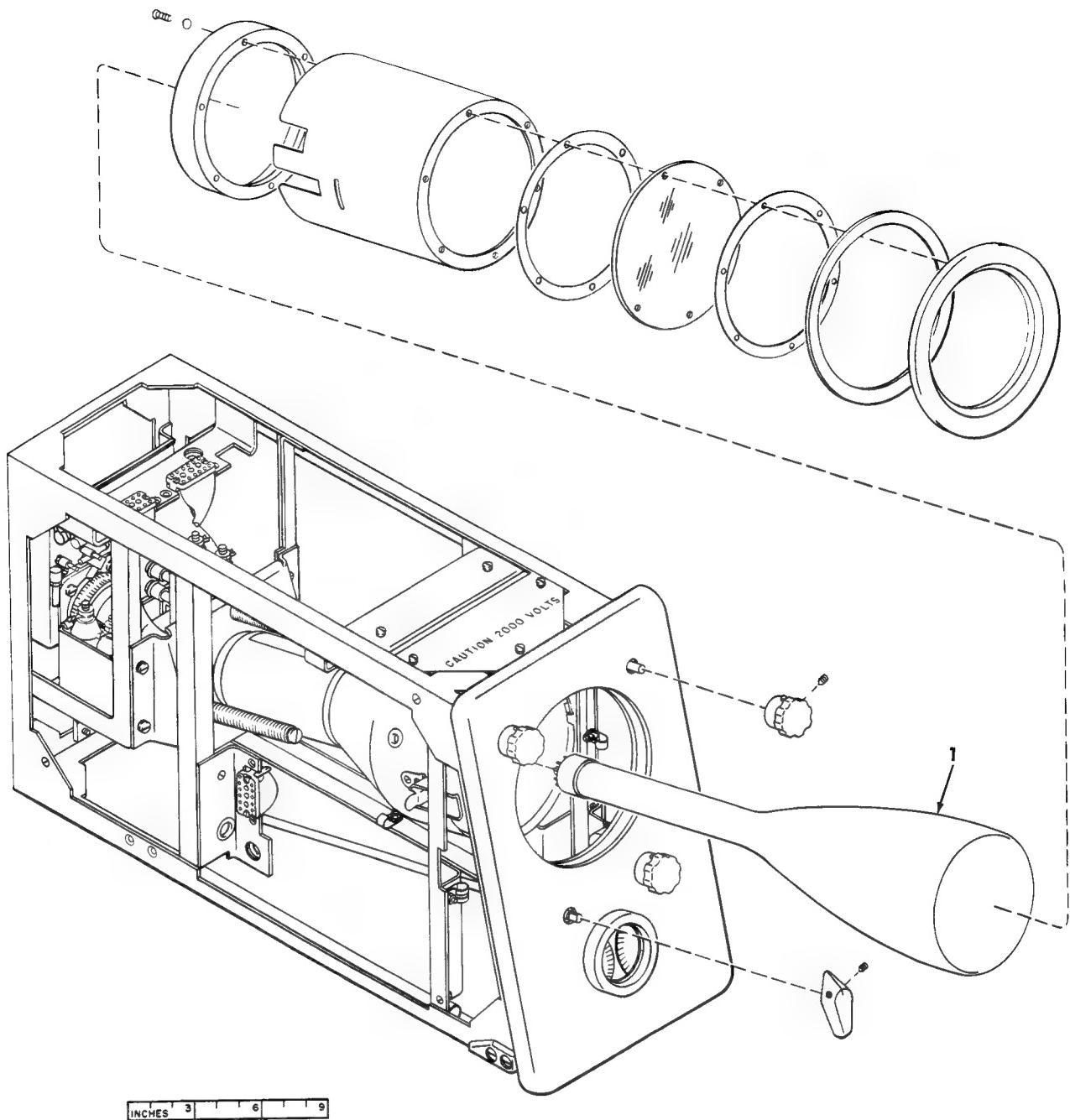
Figure 224. Display panel, missile category 91457521—exploded view



ORD G284295

1 TERMINAL 7592949

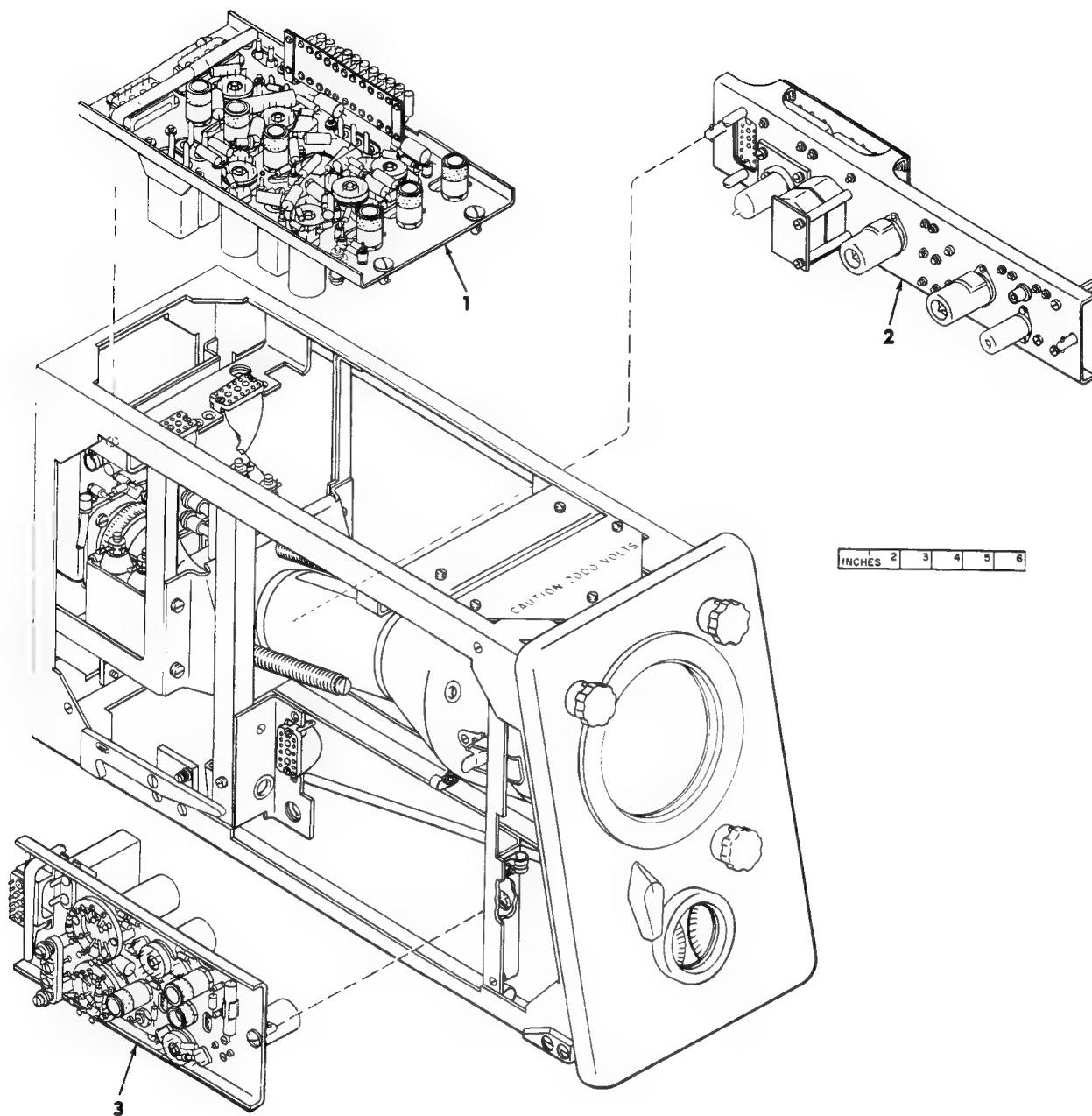
Figure 223. Panel (9145898)—exploded view



ORD G78687

1 ELECTRON TUBE SADP1

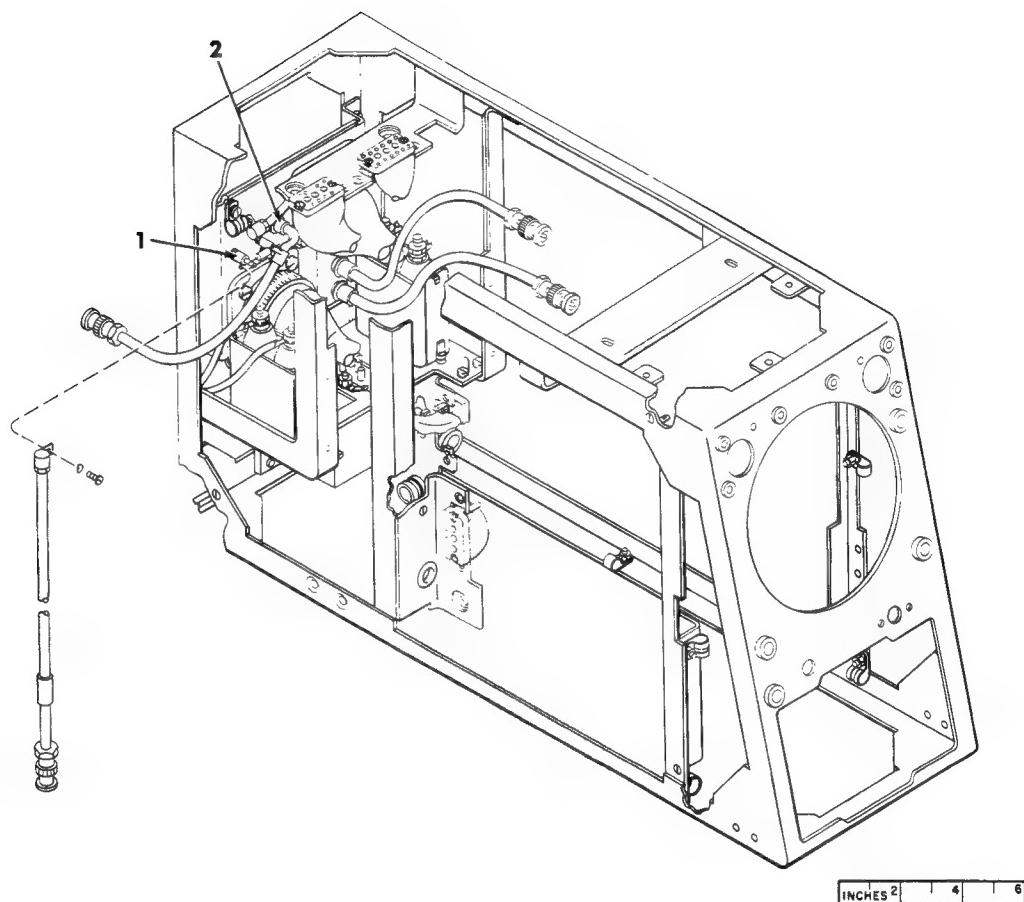
Figure 226. Indicator, range (9139121)—partial exploded view



ORD G78686

- 1 GENERATOR 9143848
- 2 AMPLIFIER 9156065
- 3 AMPLIFIER 9136917

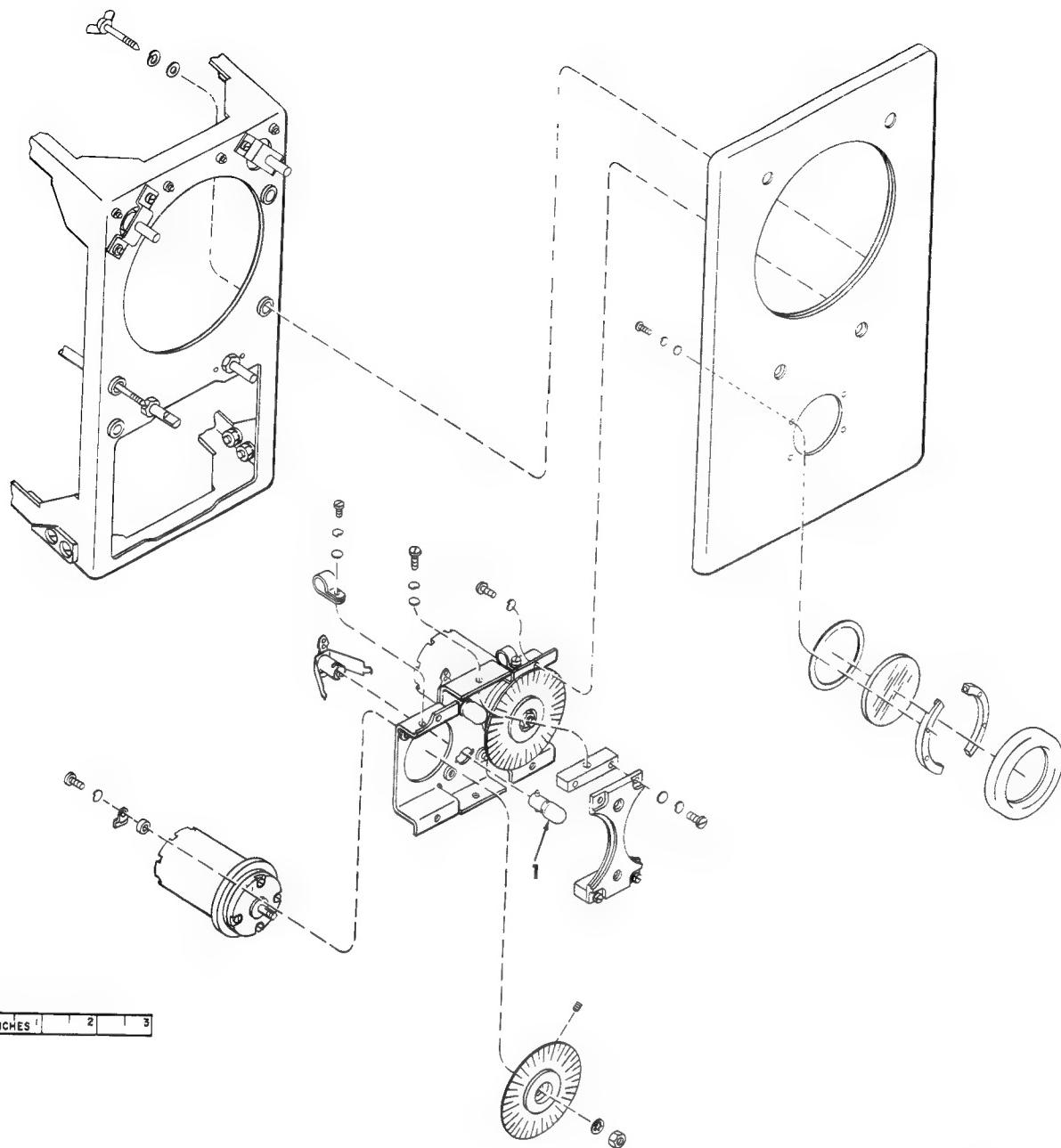
Figure 225. Indicator, range (9139121)–partial exploded view



ORD G284298

1 TERMINAL 7598949
 2 CONNECTOR MS-27035-6258

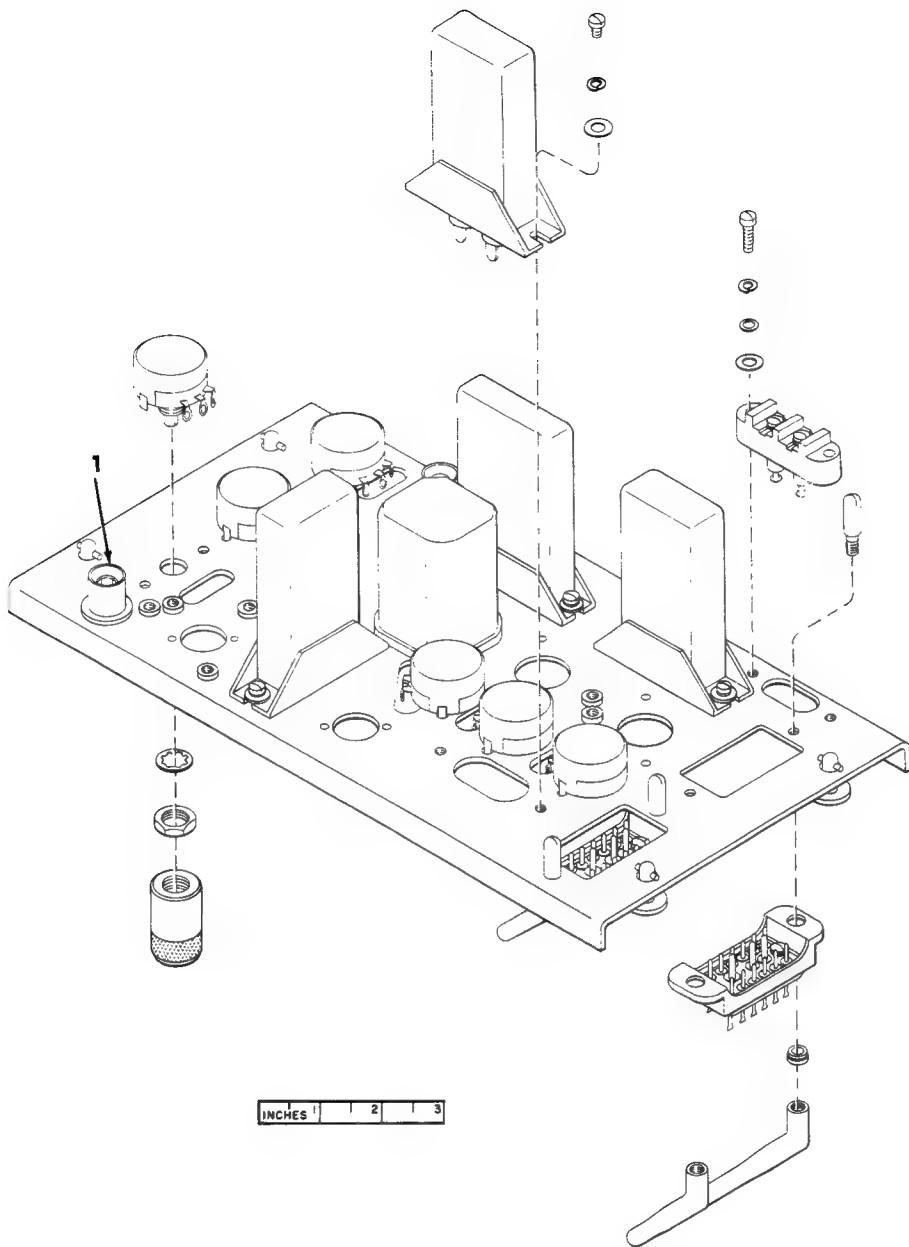
Figure 228. Indicator, range (9139121)—partial exploded view



ORD G284297

1 LAMP MS-15571-2

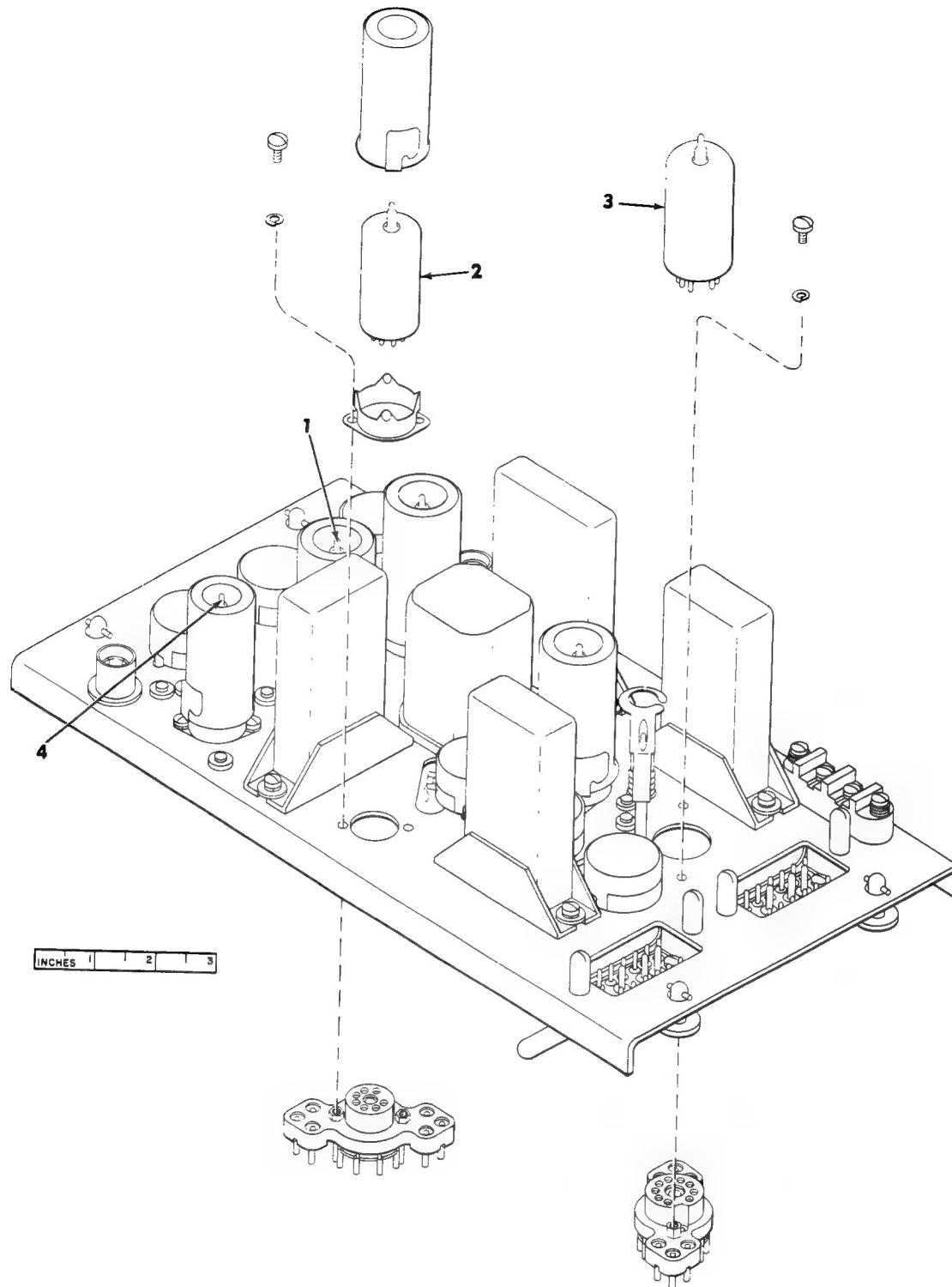
Figure 227. Indicator, range (9139121)—partial exploded view



ORD G284300

1 CONNECTOR MS-27035-625B

Figure 230. Generator (9143848 and 9998462) - partial exploded view

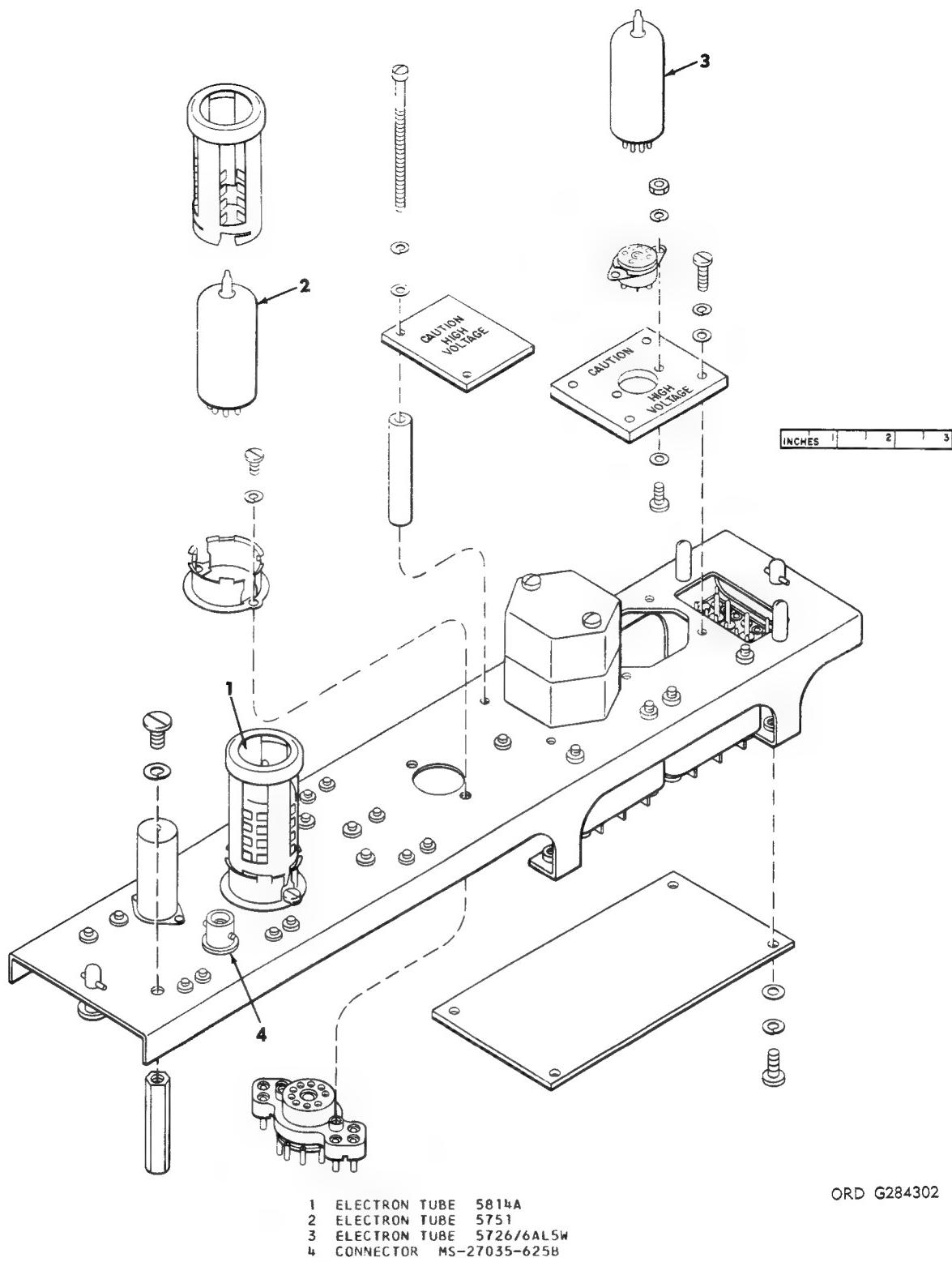


1 ELECTRON TUBE 5814A
2 ELECTRON TUBE 6AH6

3 ELECTRON TUBE 5687WA
4 ELECTRON TUBE 6AU6WR

ORD G284299

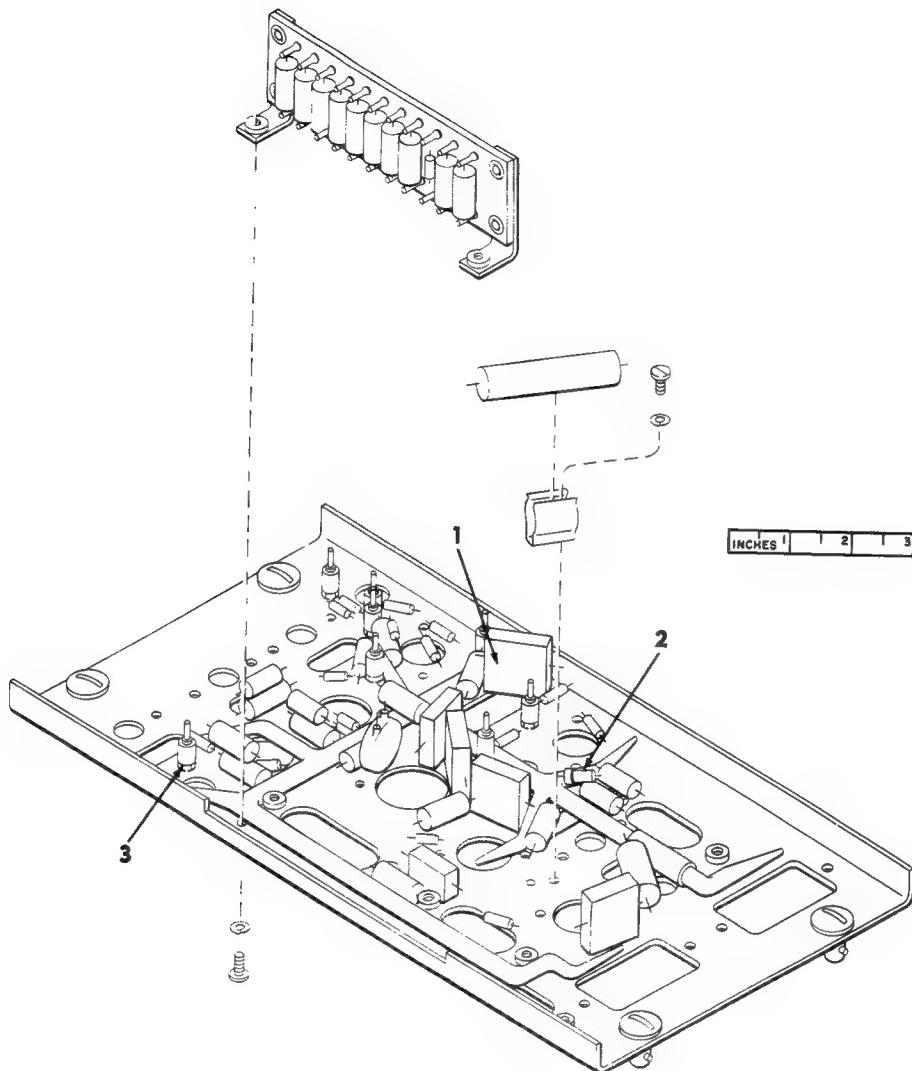
Figure 229. Generator (9143848 and 9998462)—partial exploded view



1 ELECTRON TUBE 5814A
2 ELECTRON TUBE 5751
3 ELECTRON TUBE 5726/6AL5W
4 CONNECTOR MS-27035-6258

ORD G284302

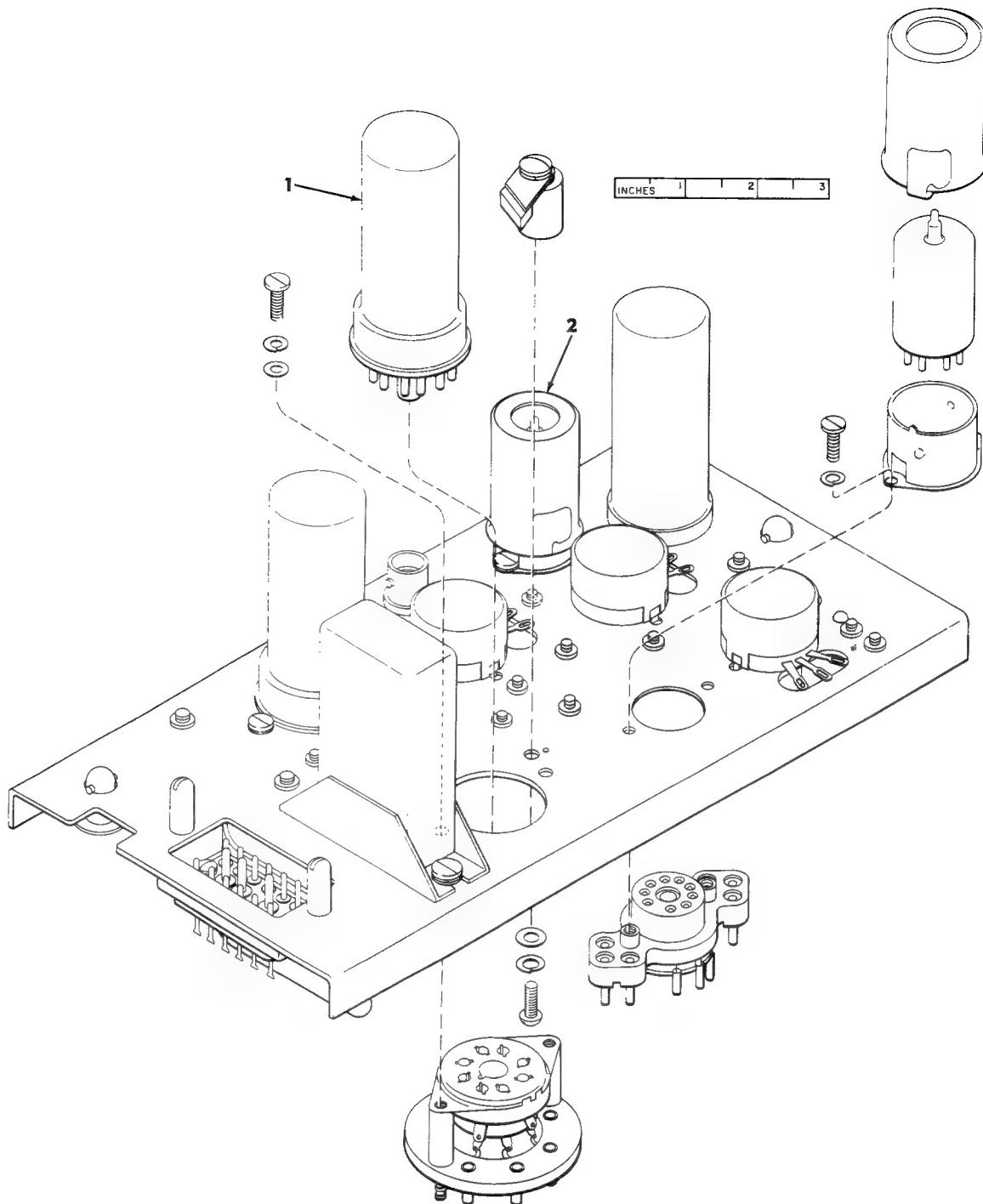
Figure 232. Amplifier, electronic control (9156065)—partial exploded view



ORD G284301

- 1 CAPACITOR CM35E103J
- 2 CAPACITOR 8023439
- 3 TERMINAL 7598949

Figure 231. Generator (9143848 and 9998462)—partial exploded view



ORD G284304

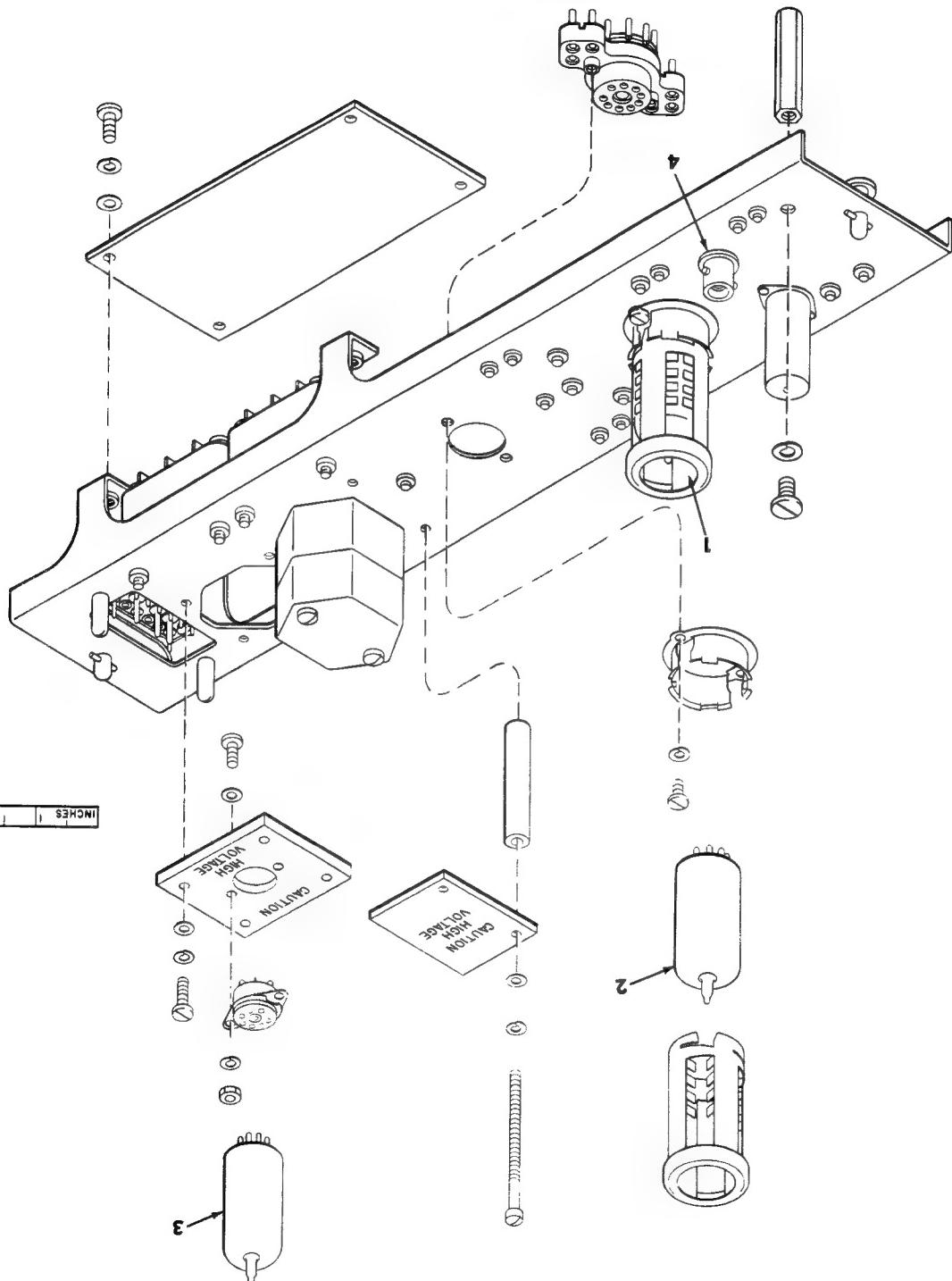
1 ELECTRON TUBE 6AG7Y
 2 ELECTRON TUBE 6AH6

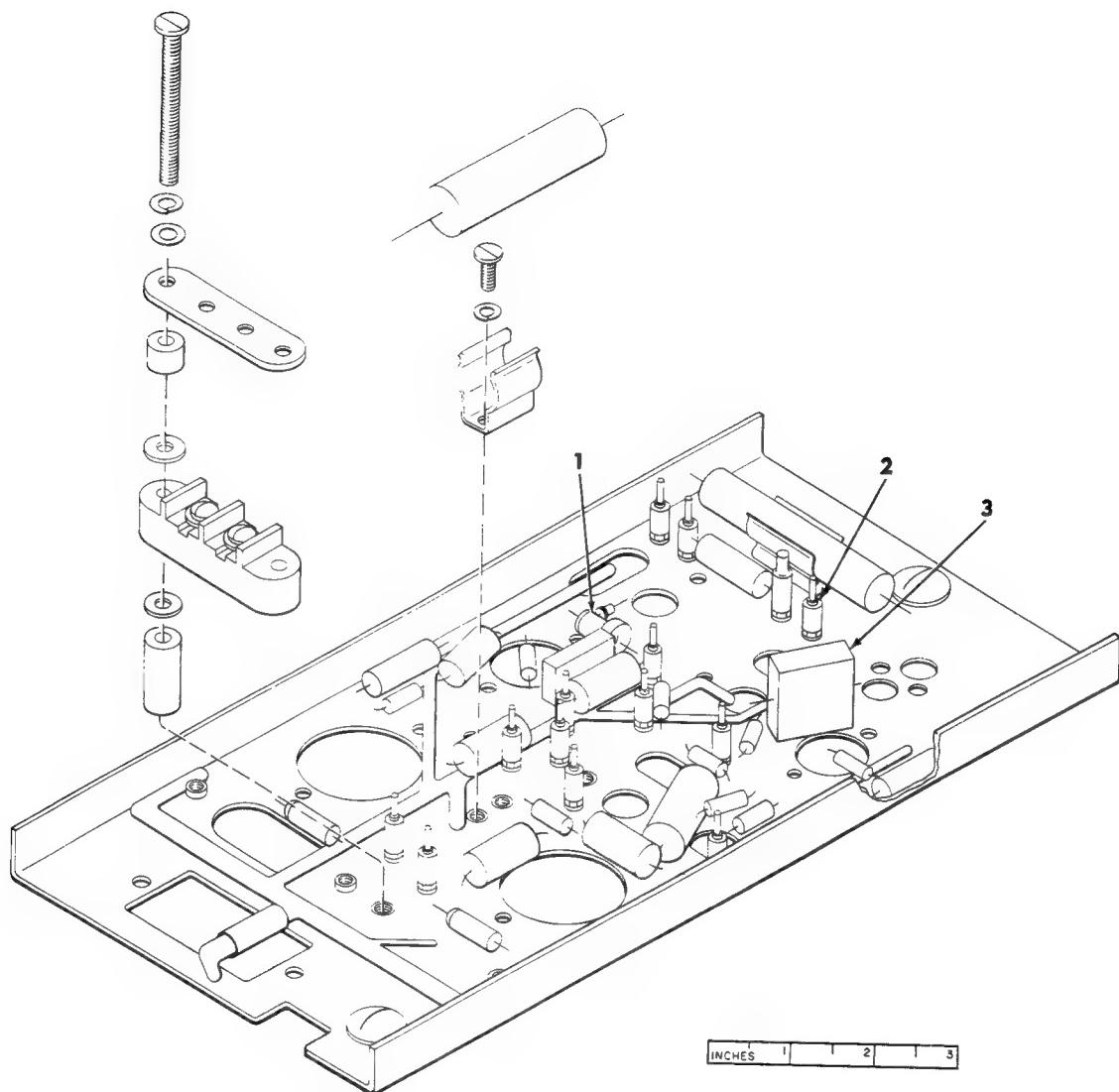
Figure 234. Amplifier, video (9136917) - partial exploded view

Figure 232. Amplifier, electronic control (9156065) - partial exploded view

ORD G284302

1 ELECTRON TUBE 5814A
 2 ELECTRON TUBE 5751
 3 ELECTRON TUBE 5726/6AL5W
 4 CONNECTOR MS-27035-625B

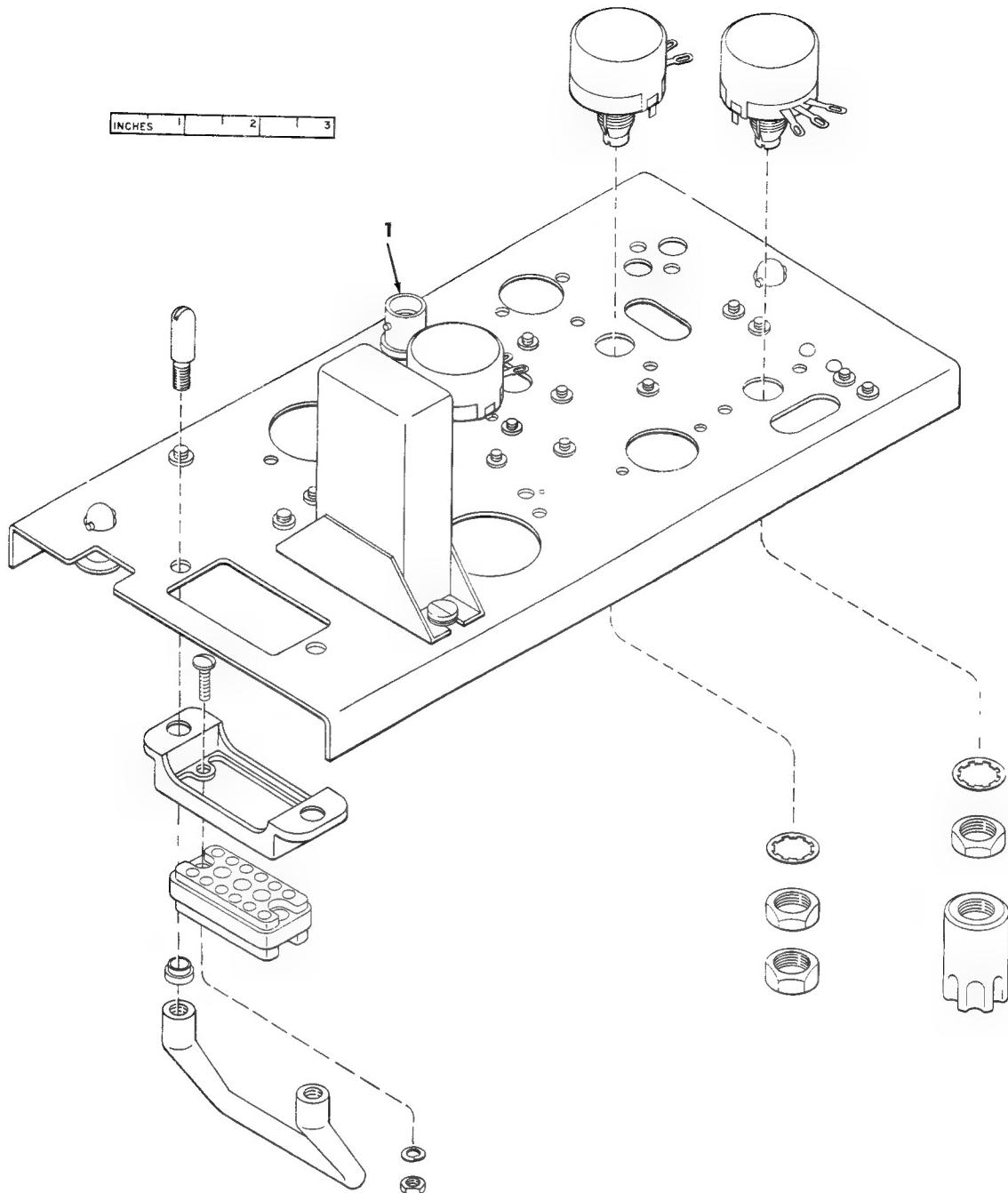




ORD G284306

- | | | |
|---|-----------|-----------|
| 1 | CAPACITOR | 8023439 |
| 2 | TERMINAL | 7598949 |
| 3 | CAPACITOR | CM35E103J |

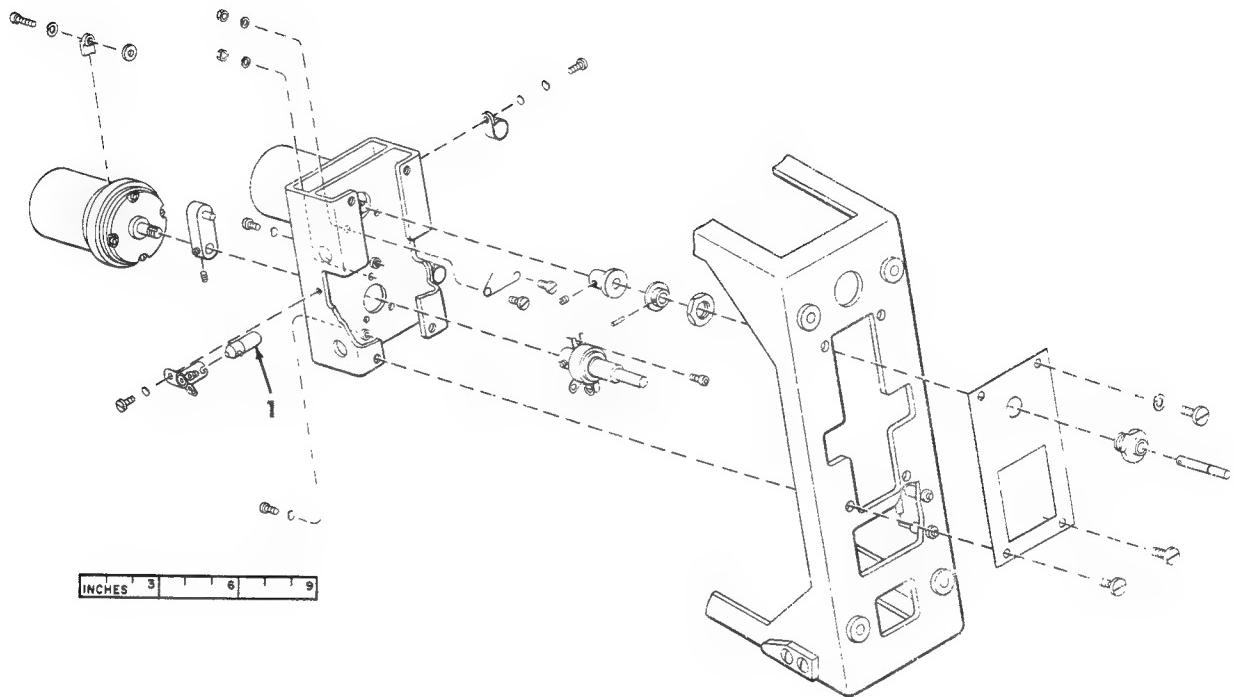
Figure 236. Amplifier, video (9136917)–partial exploded view



ORD G284305

1 CONNECTOR MS-27035-625B

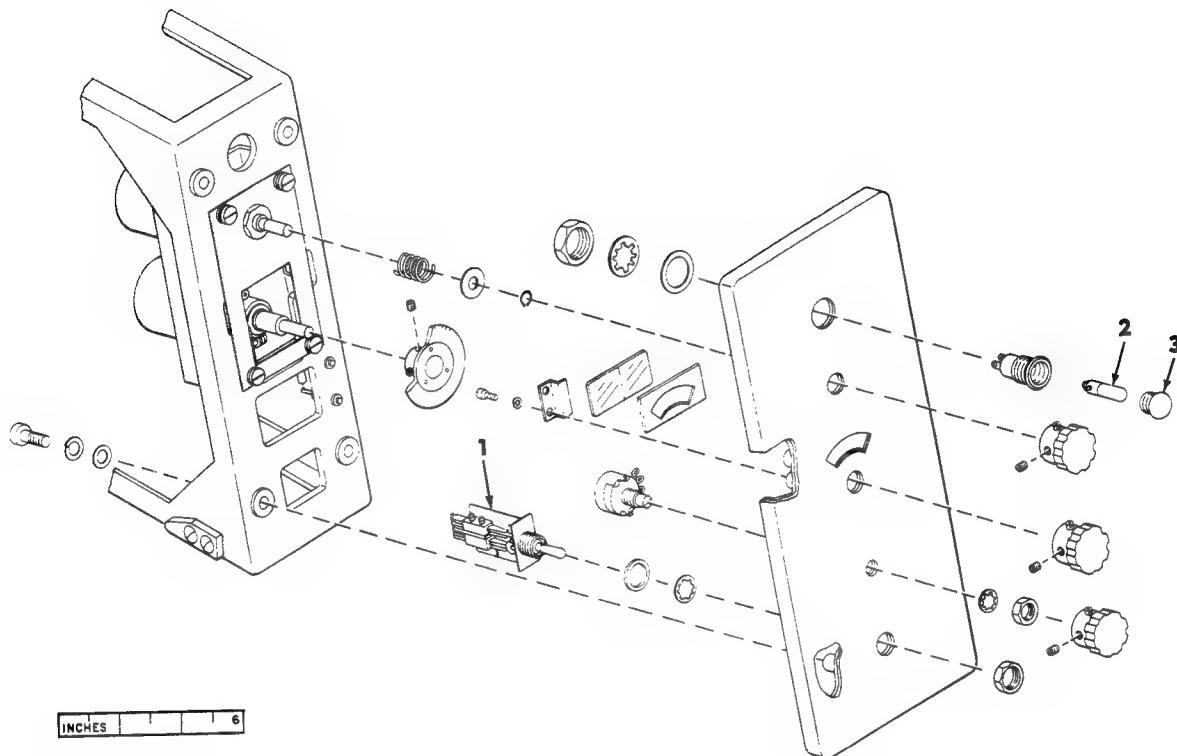
Figure 235. Amplifier, video (9136917) – partial exploded view



ORD G284308

1 LAMP MS-15571-2

Figure 238. Control, radio beacon (9142864) - partial exploded view



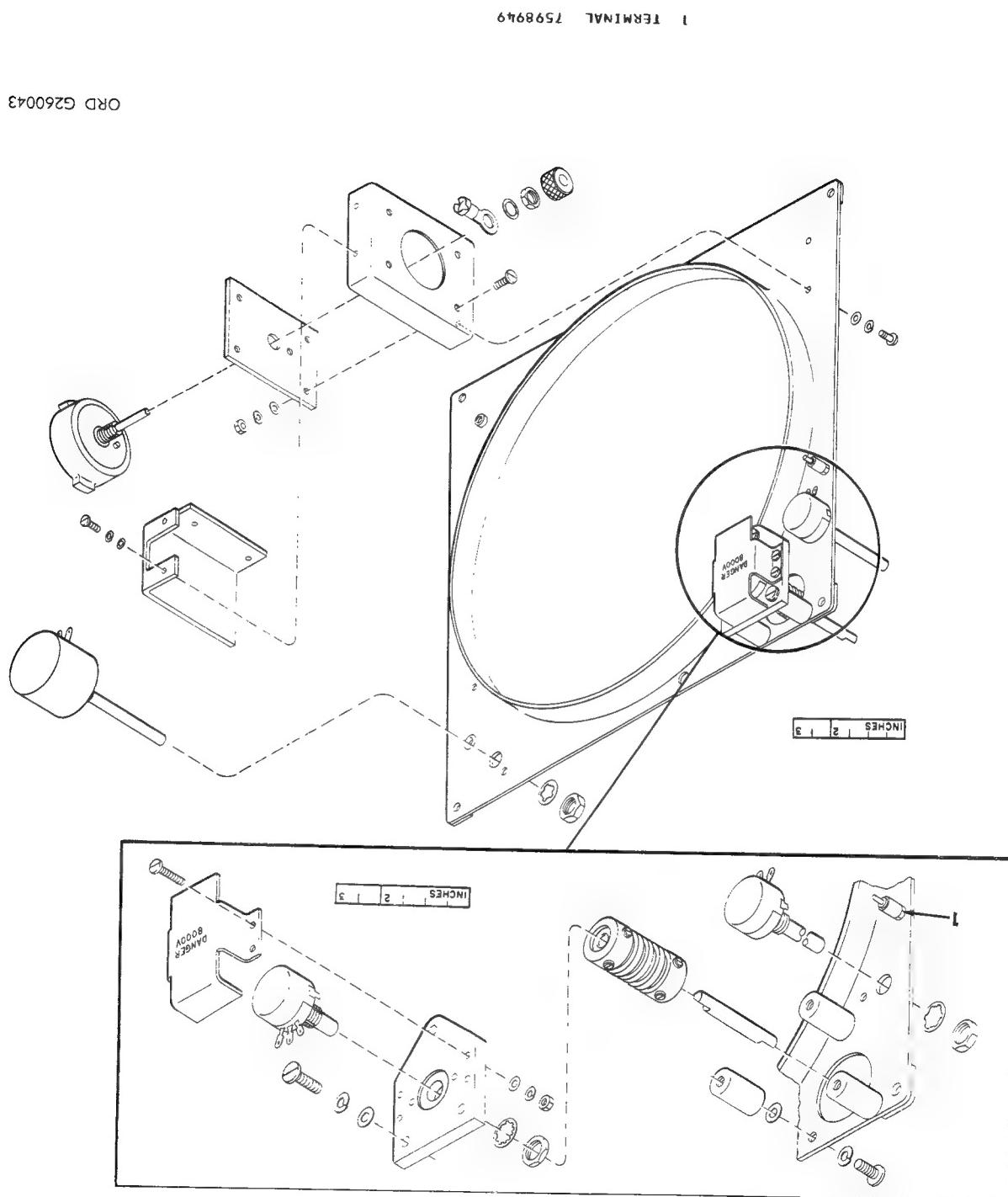
INCHES

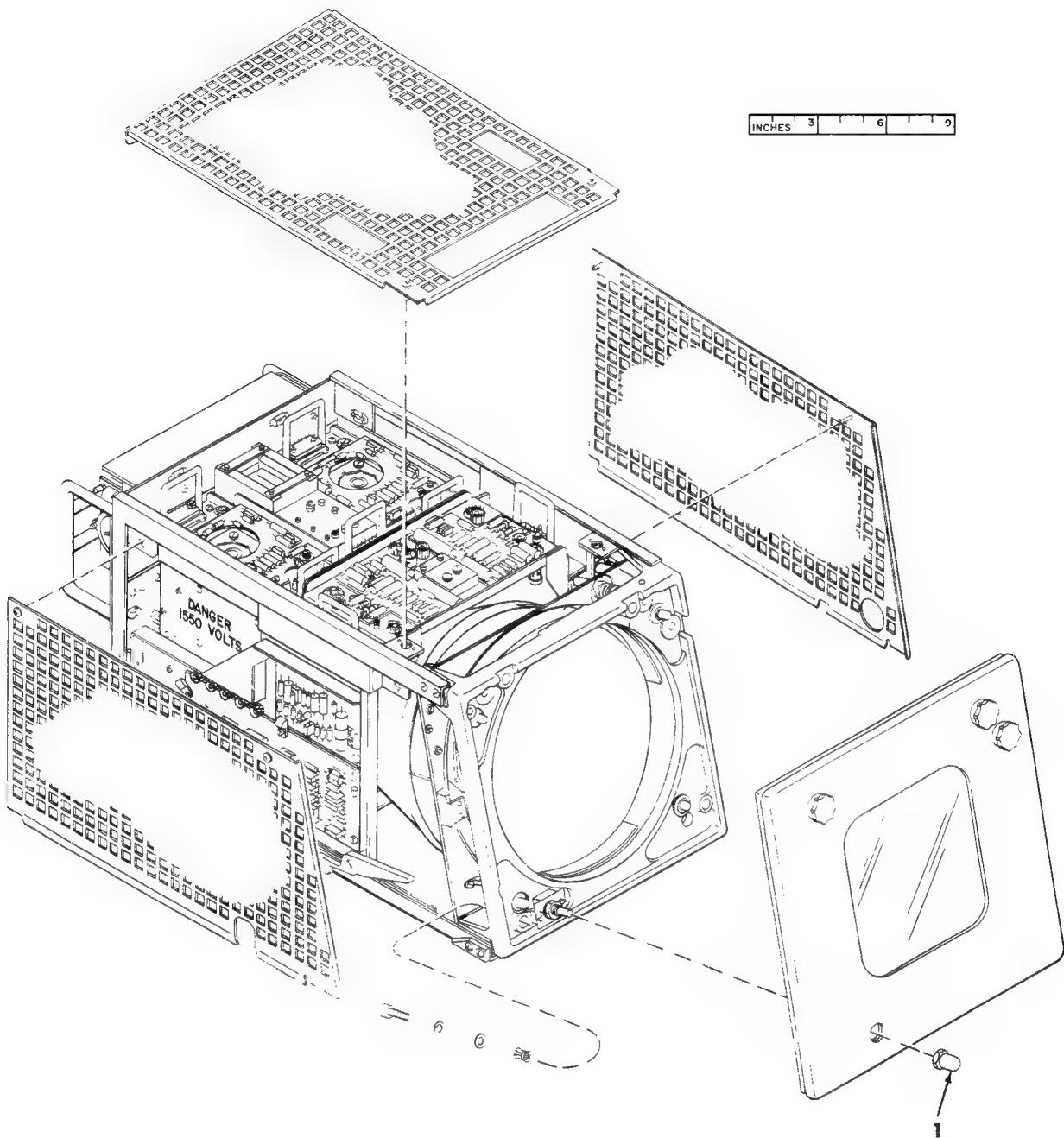
ORD G284307

1 SWITCH 8175304
2 LAMP 7605718
3 LENS 8175312

Figure 237. Control, radio beacon (9142864)—partial exploded view

Figure 245. Resistor assembly (9144886)—exploded view





ORD G78689

1 POST 9017174

Figure 239. Indicator, azimuth range (9993732)—partial exploded view

Figure 243. Indicator, azimuth range (9993732) - partial exploded view

1 GATE 9007695

ORD G284310

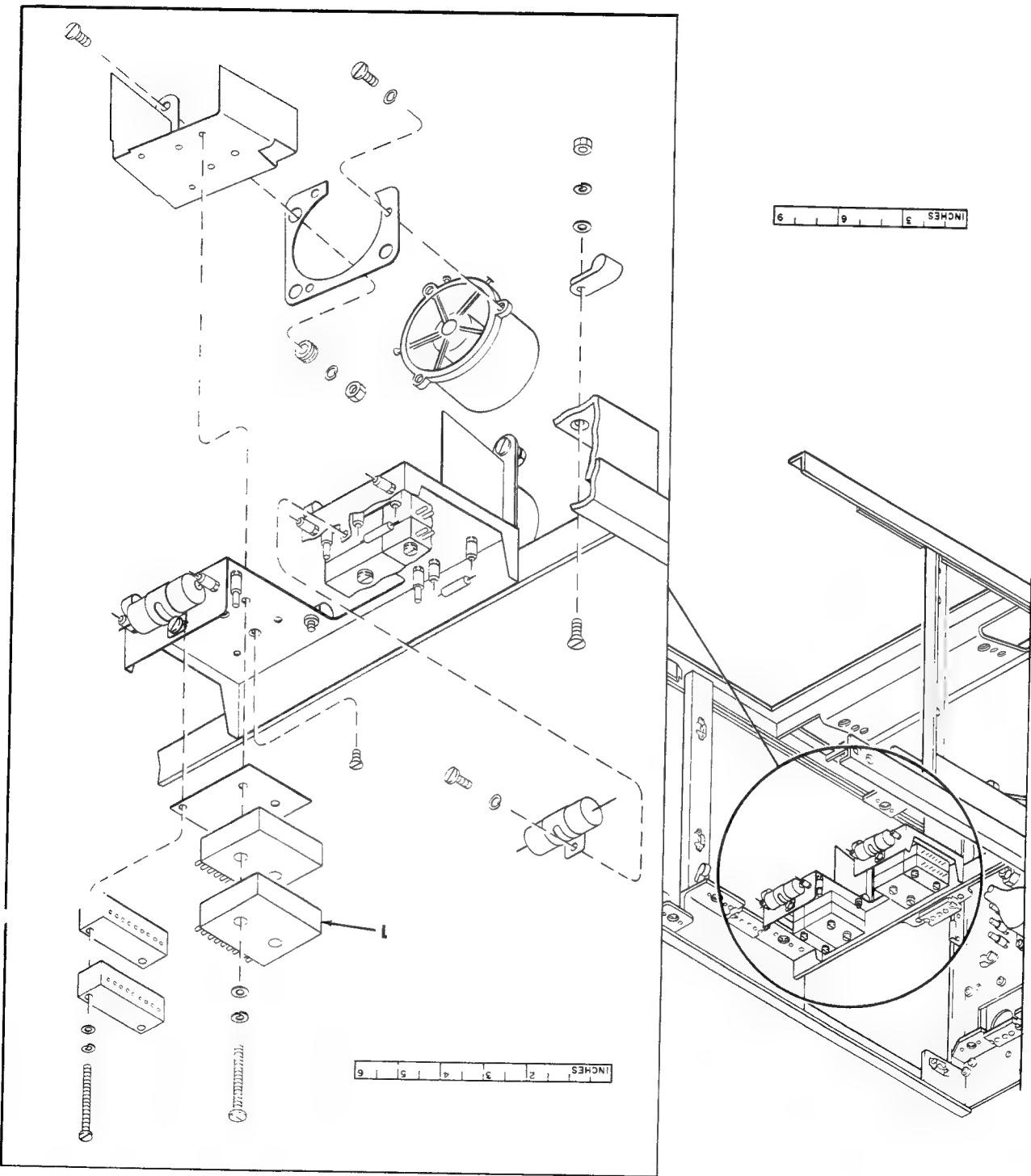


Figure 244. Indicator, azimuth range (9993732)—partial exploded view

1 CONNECTOR MS-27035-6258

ORD G284311

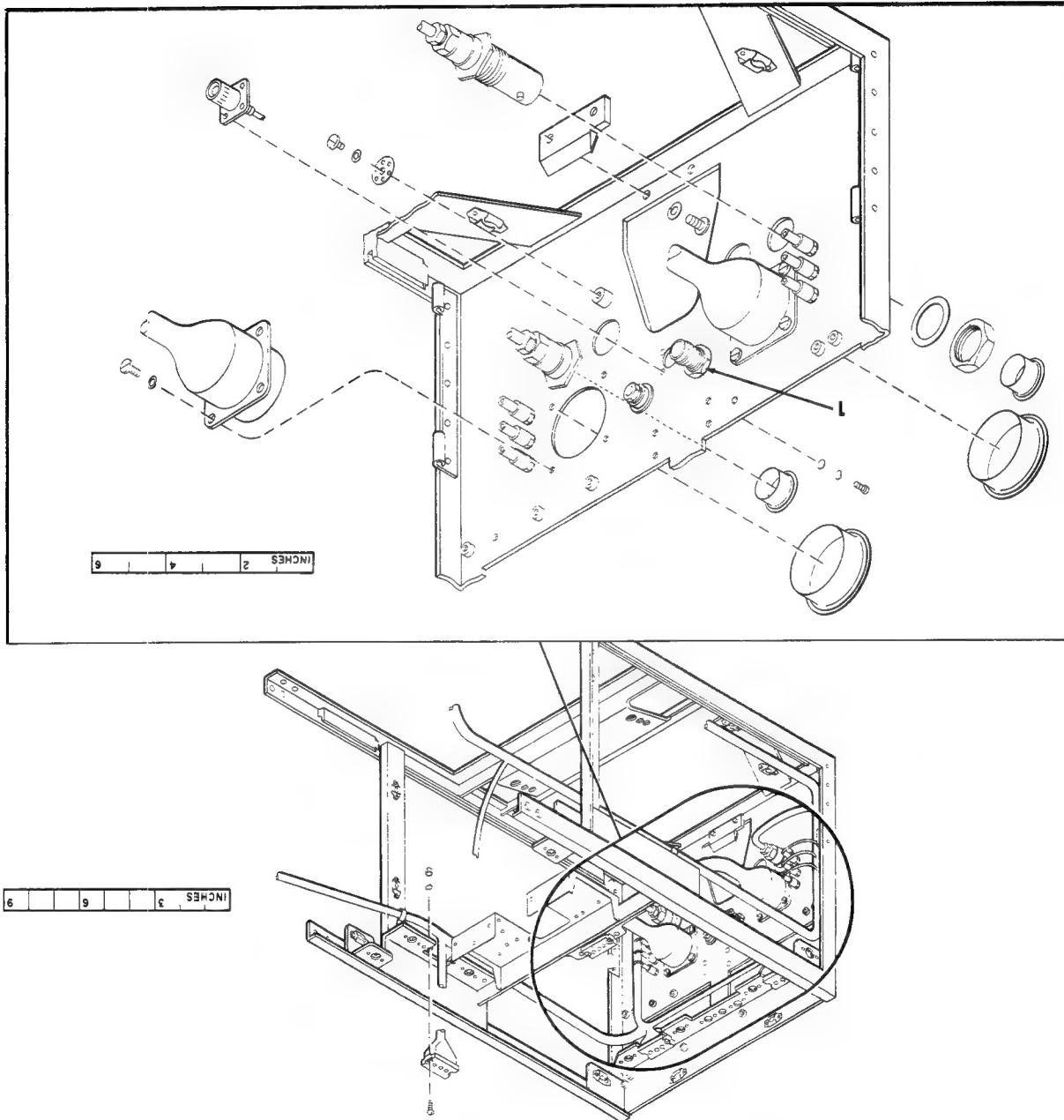


Figure 241. Indicator, azimuth range (9993732)—partial exploded view

1 ELECTRON TUBE TOTALPIE

ORD G78691

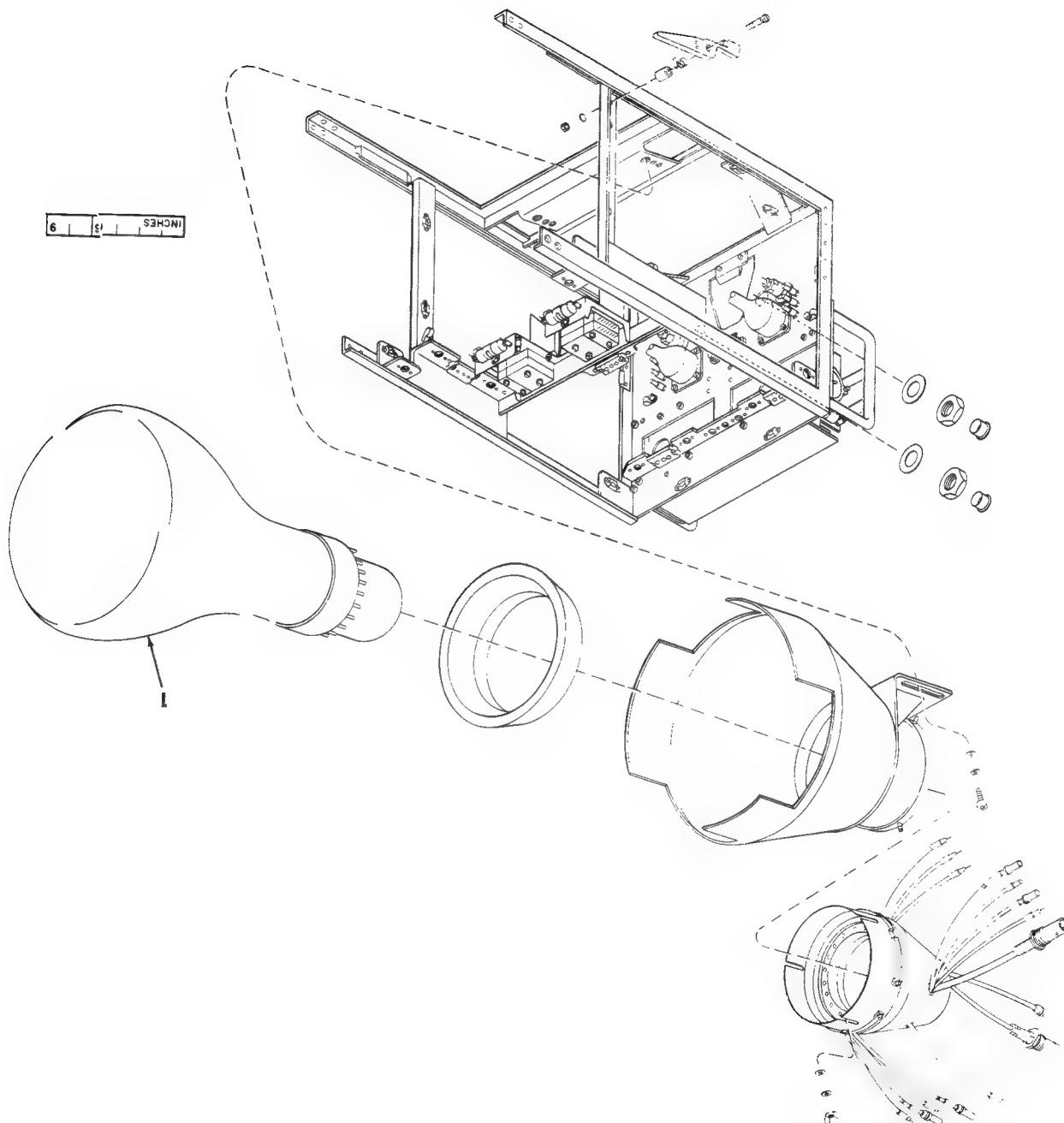
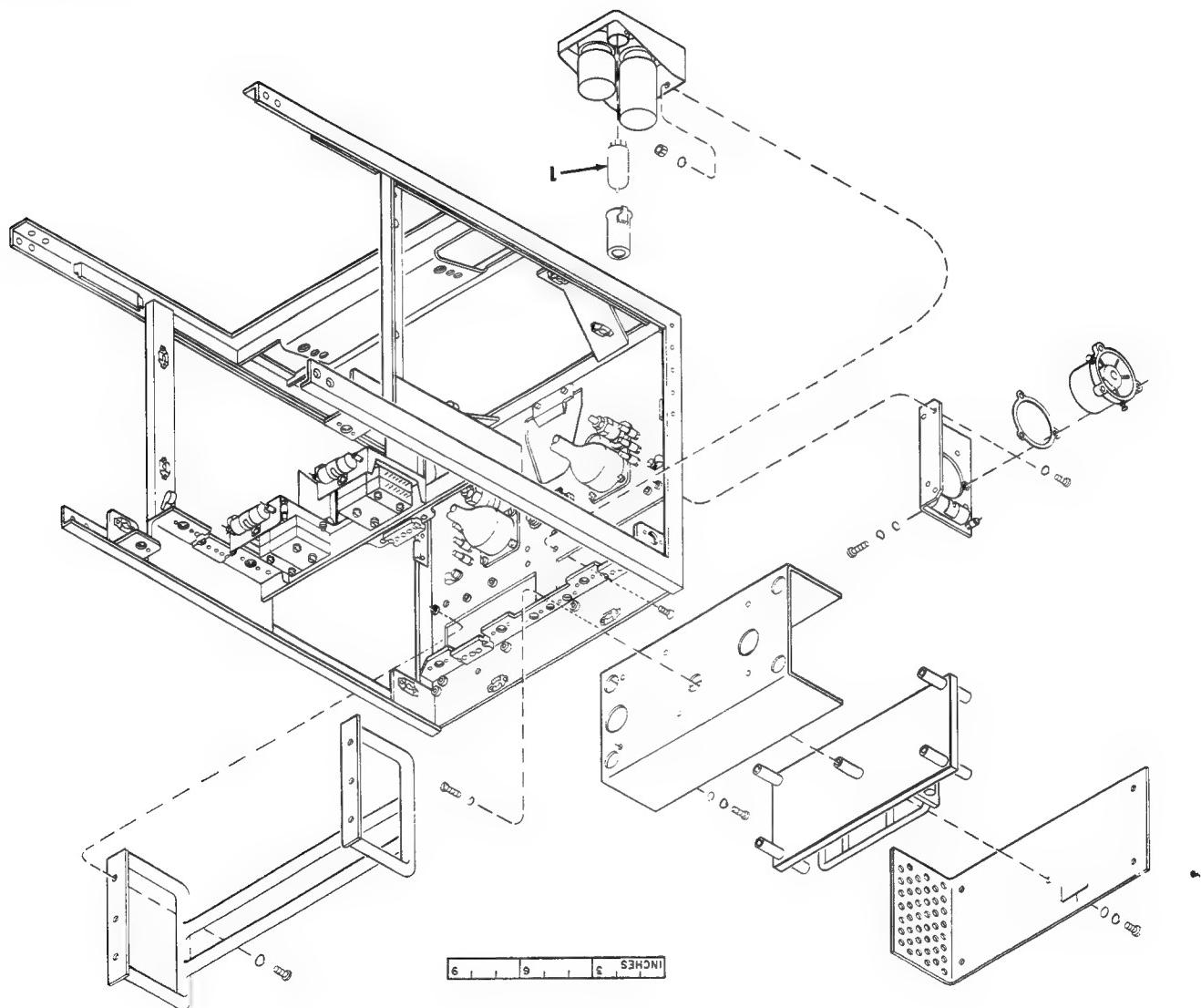
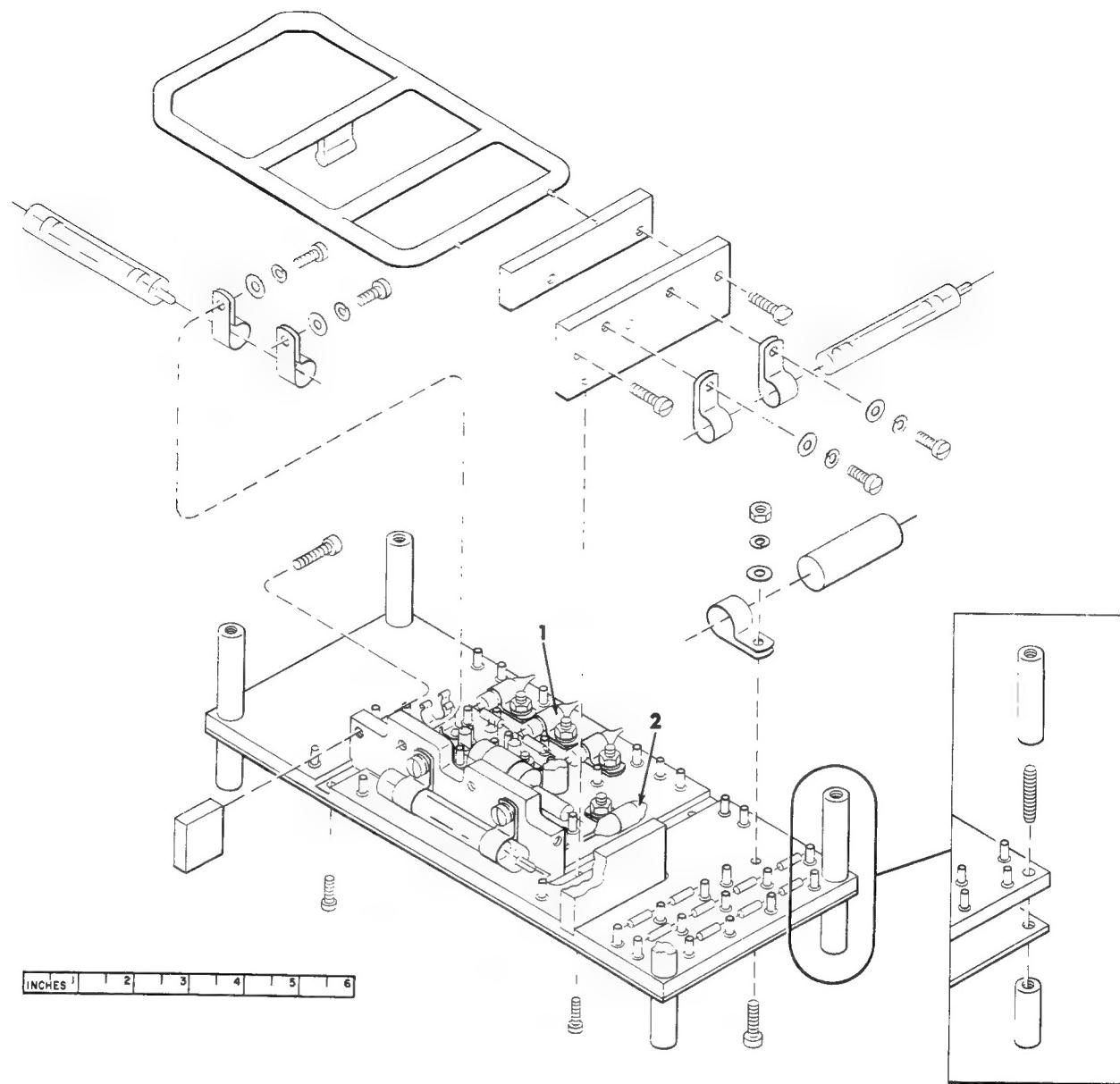


Figure 242. Indicator, azimuth range (9993732)—partial exploded view

1 ELECTRON TUBE 5651WA

ORD G78692





ORD G284312

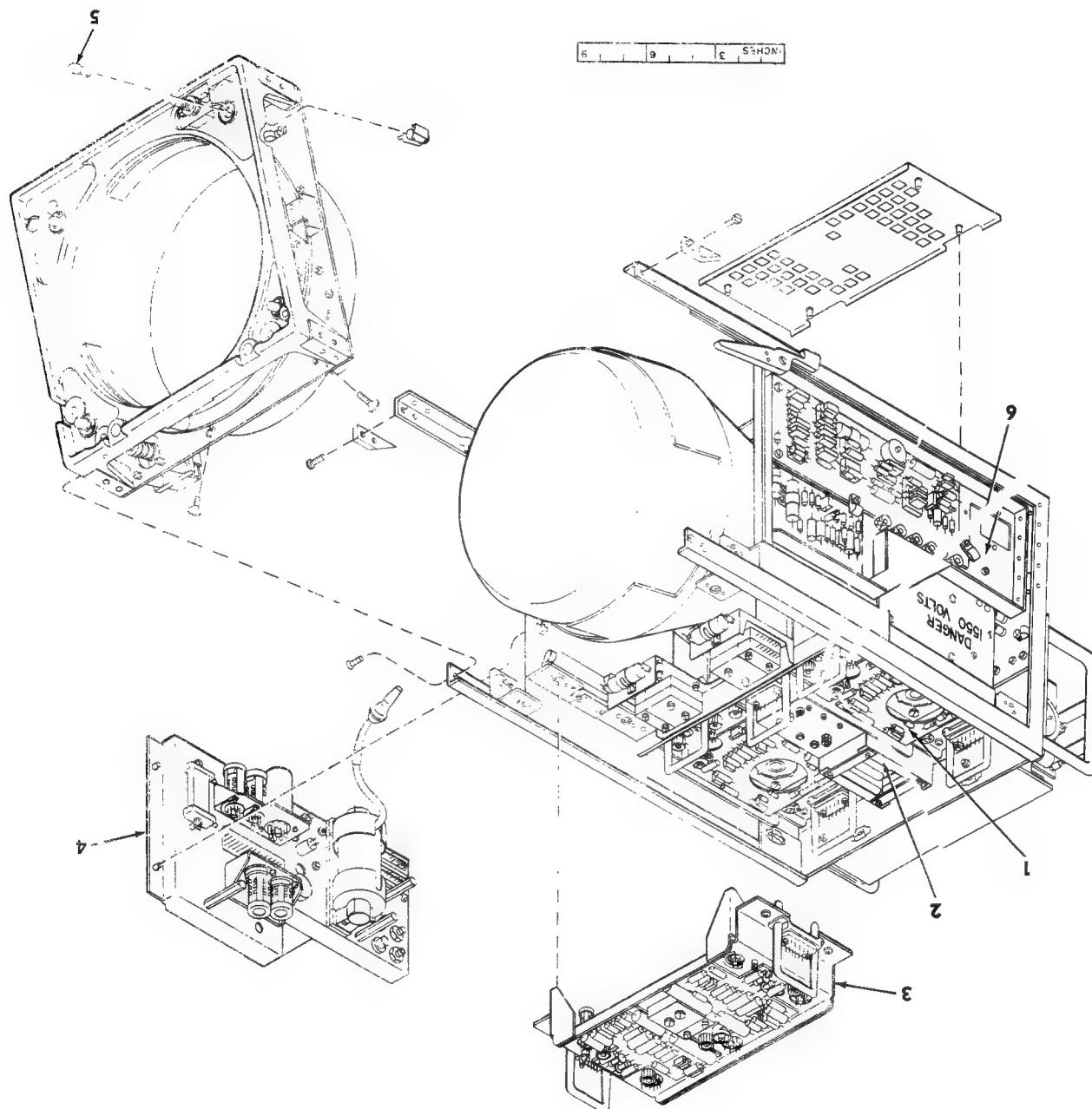
1 LAMP NE 2A
 2 ELECTRON TUBE 9144180

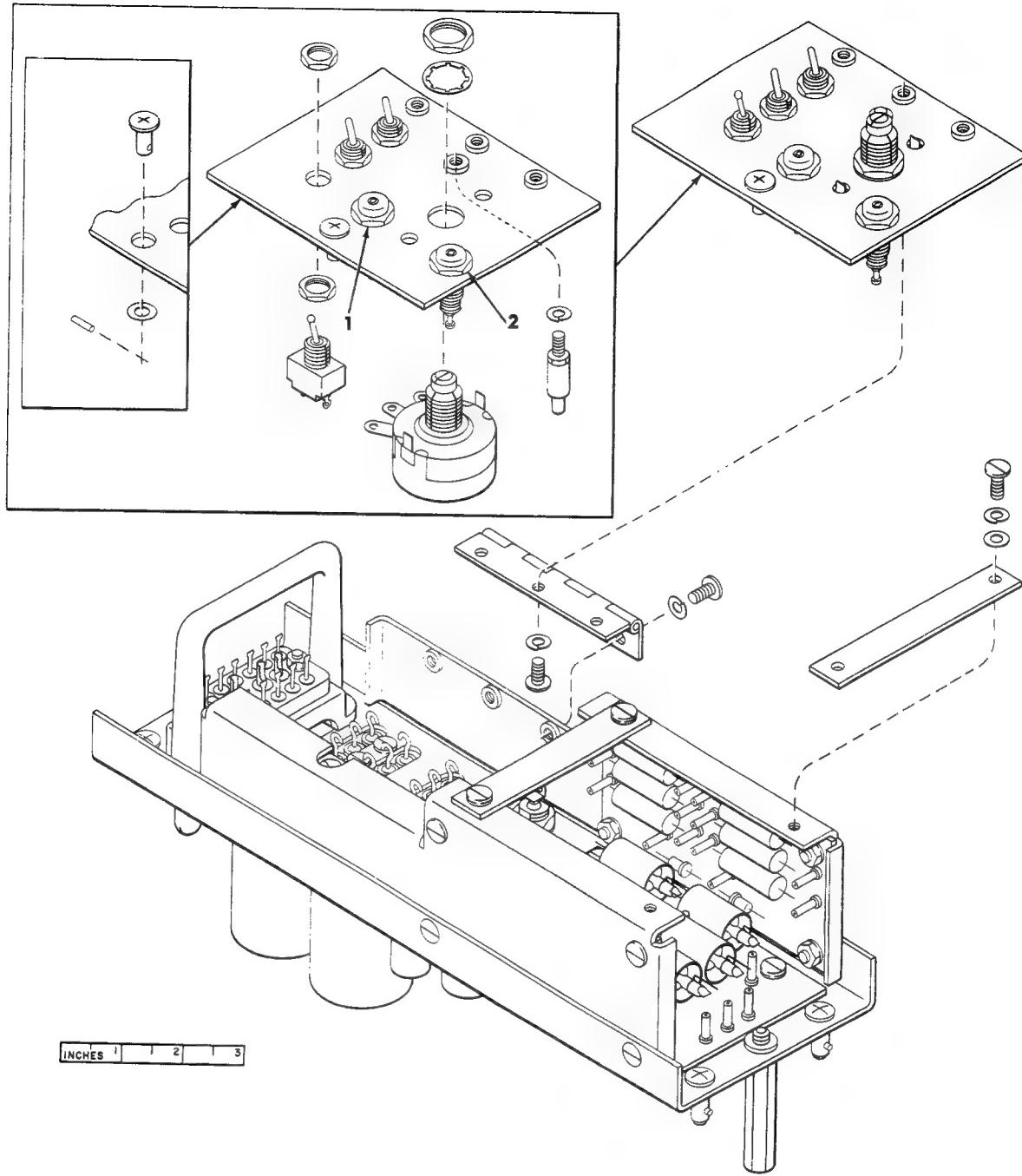
Figure 246. Power supply (9986438)—exploded view

Figure 240. Indicator azimuth range (9993732) - partial exploded view

1 AMPLIFIER 9145029	4 AMPLIFIER 9086473	3 GENERATOR 9144701
2 MODULATION ELIMINATOR	5 LAMP MS-15-71-2	6 GENERATOR 9160636

ORD G282309

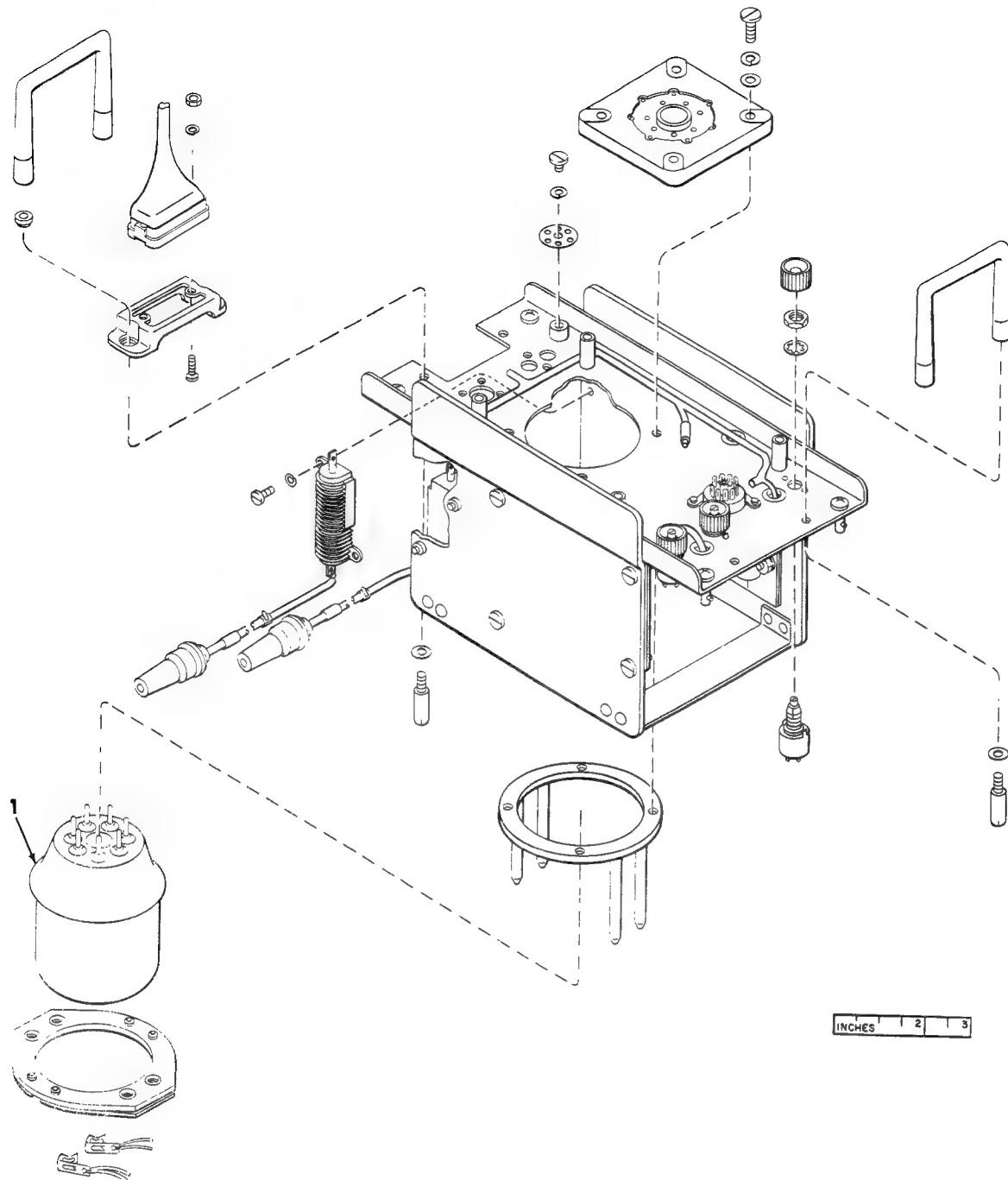




ORD G284314

1	JACK	8134425
2	JACK	8175214

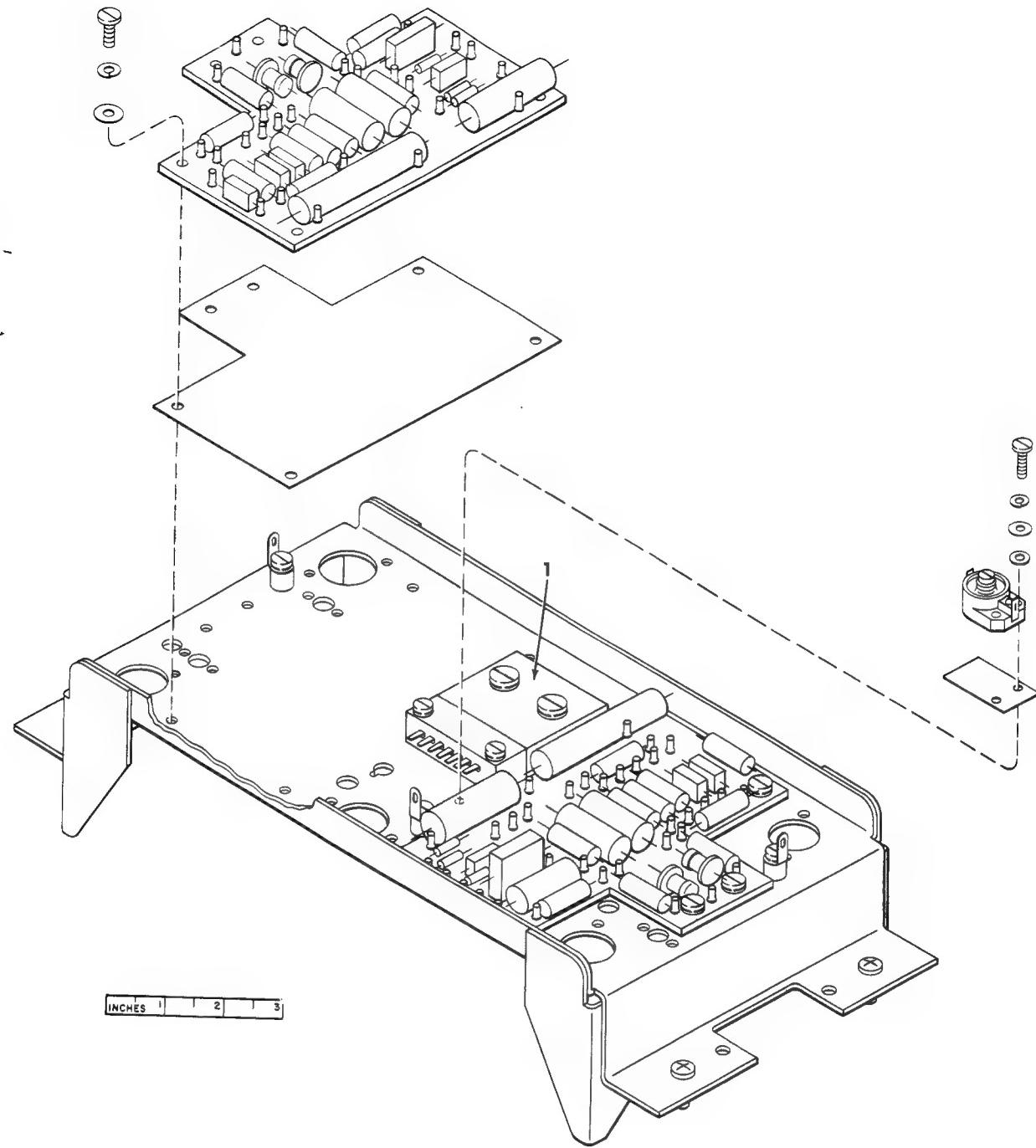
Figure 248. Modulation eliminator (9160636)—exploded view



ORD G284313

1 ELECTRON TUBE 3E29

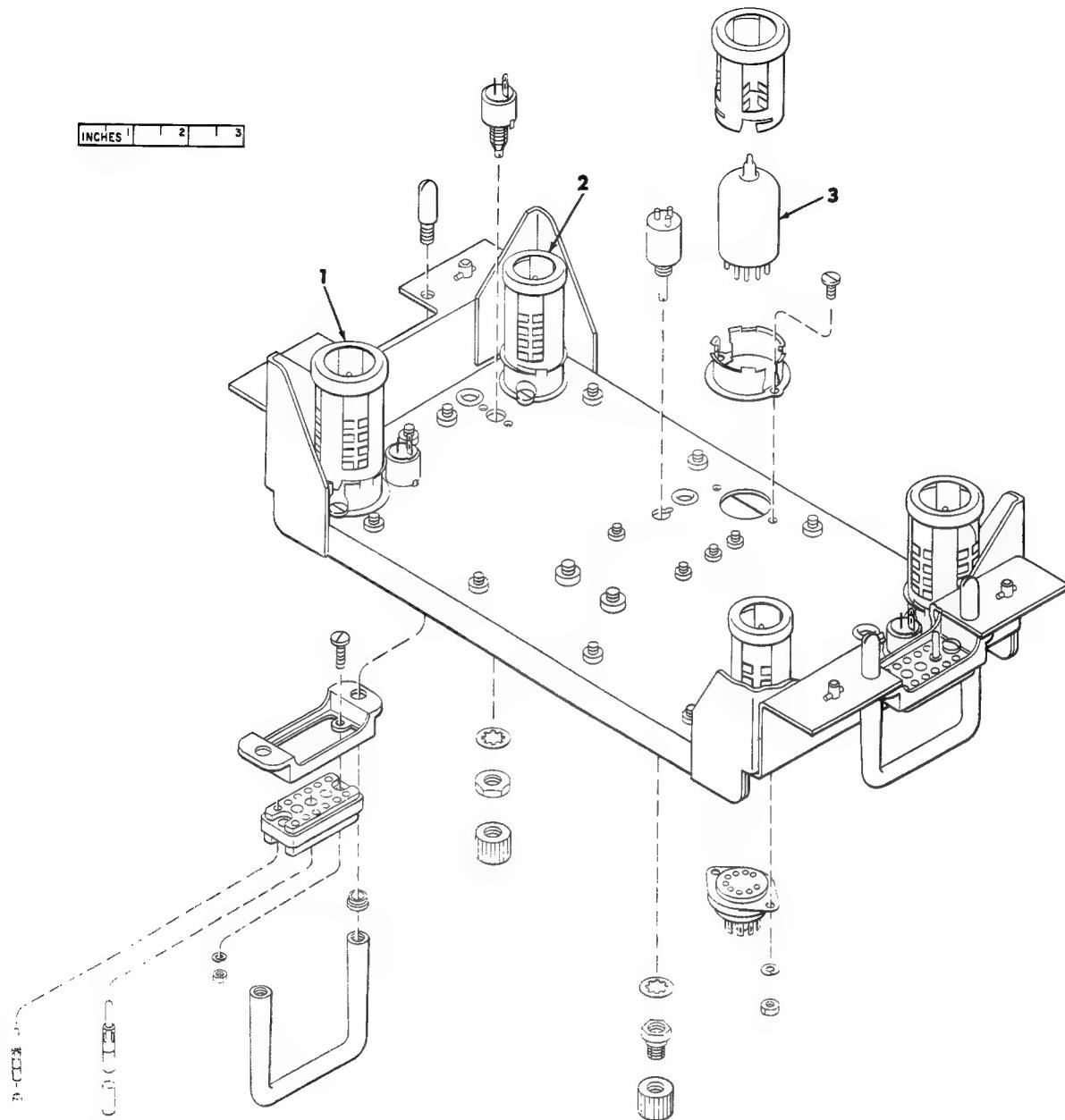
Figure 247. Amplifier, direct current (9145029)—partial exploded view



ORD G284316

1 GATE 9007695

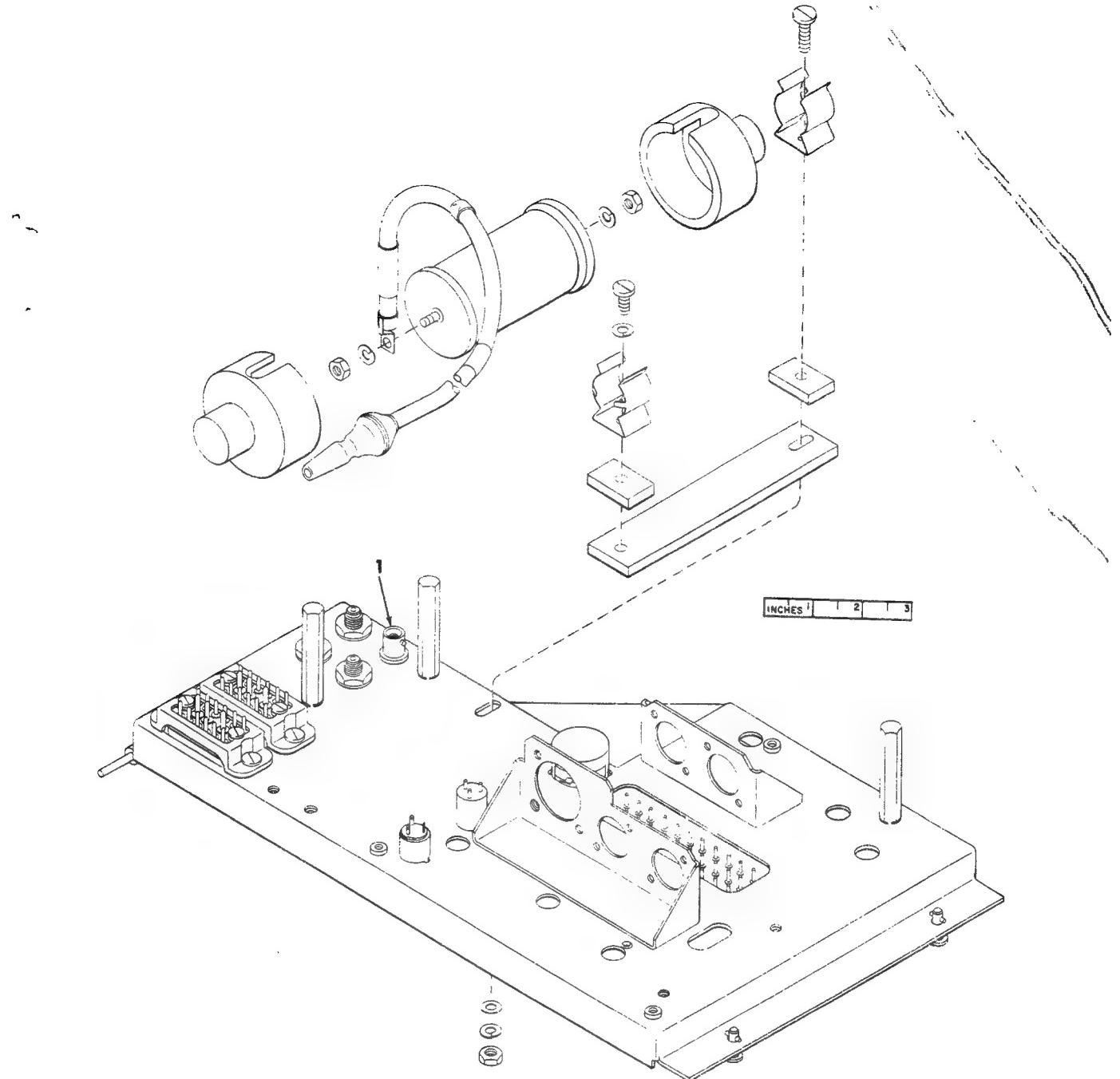
Figure 250. Generator, sweep (9144701)—partial exploded view



ORD G284315

- | | | |
|---|---------------|--------|
| 1 | ELECTRON TUBE | 5755 |
| 2 | ELECTRON TUBE | 6AU6WB |
| 3 | ELECTRON TUBE | 5670 |

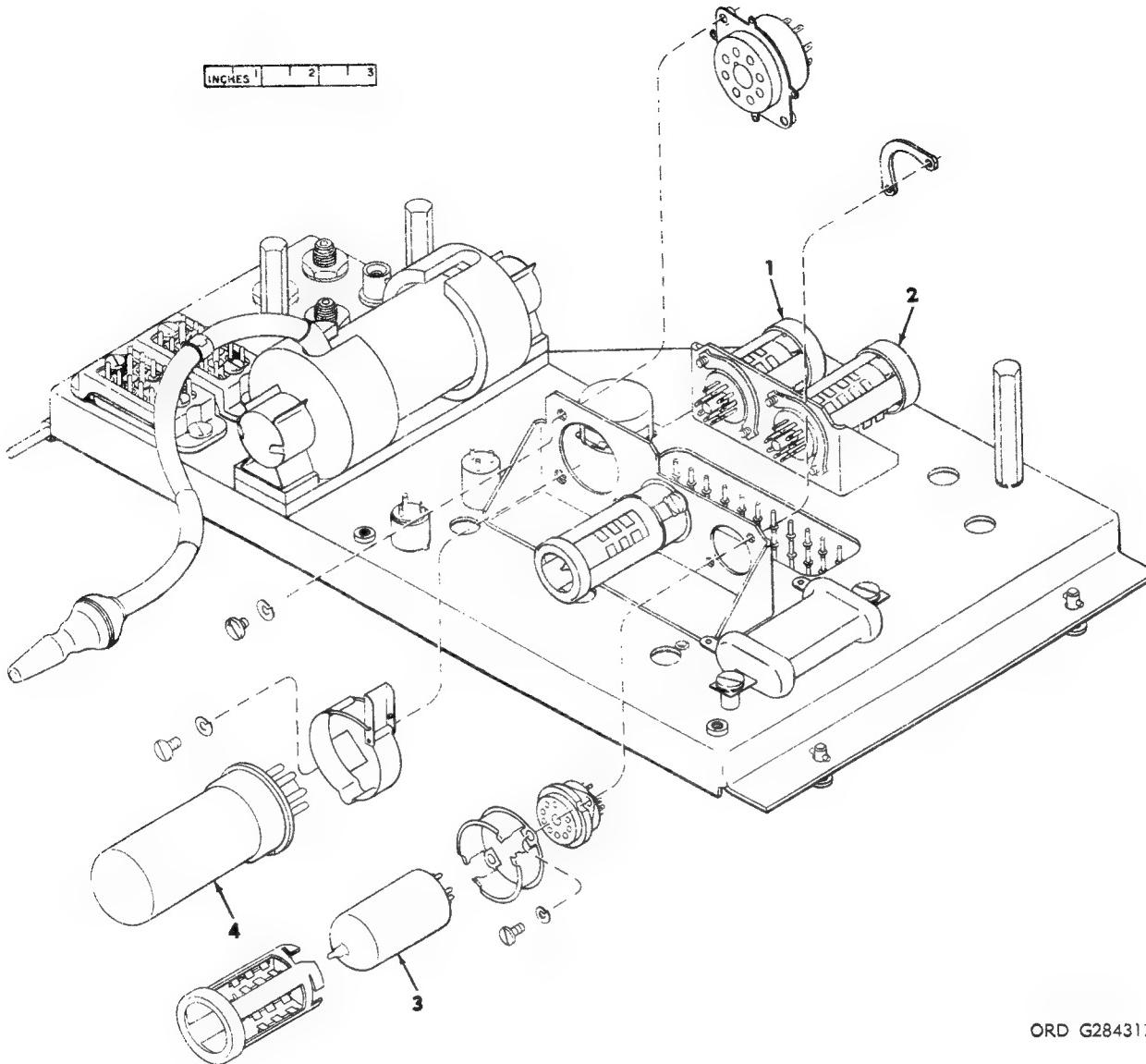
Figure 249. Generator, sweep (9144701)—partial exploded view



ORD G284318

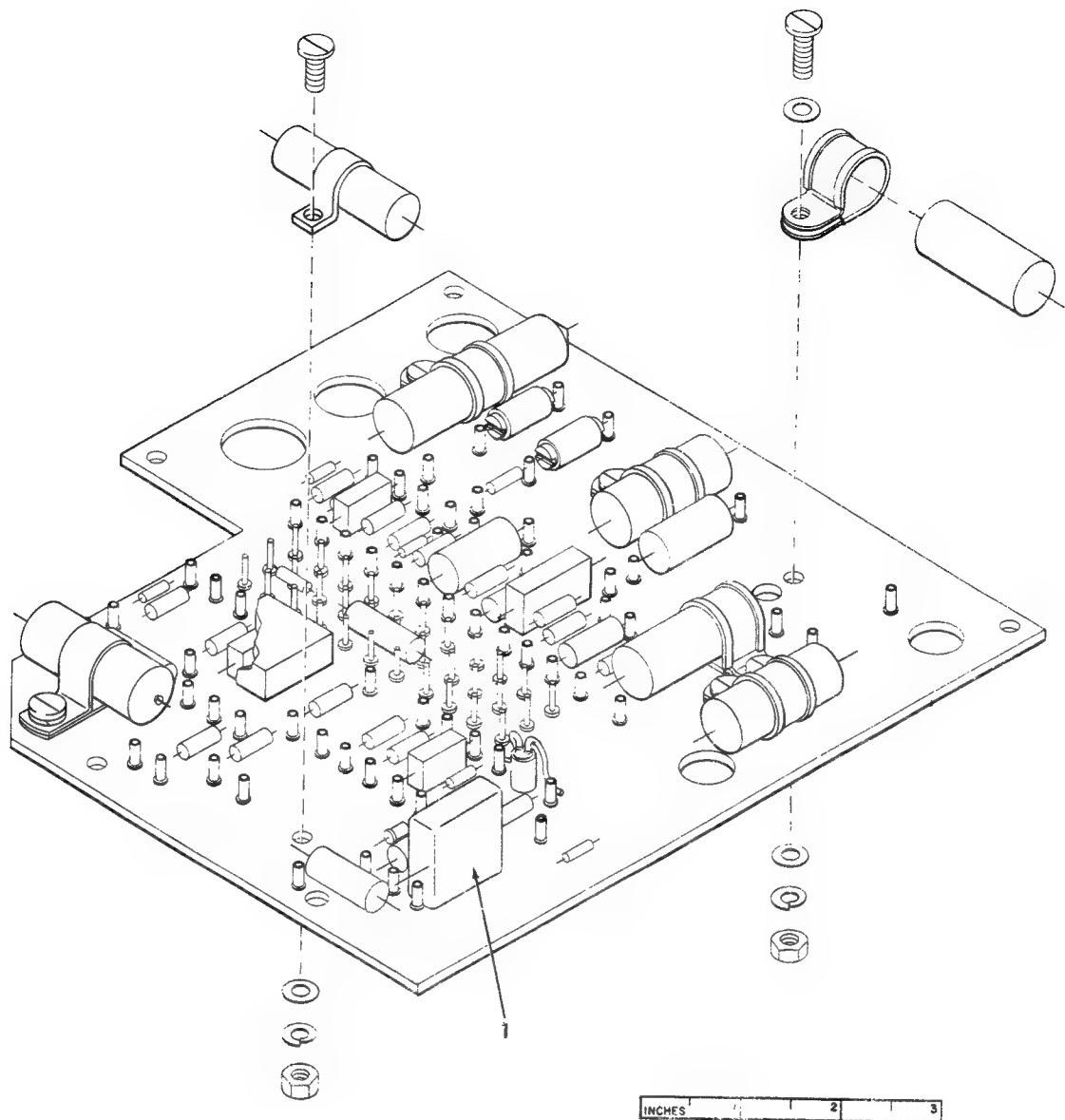
1 CONNECTOR MS-27035-625B

Figure 252. Amplifier, video (9966413)—partial exploded view



- 1 ELECTRON TUBE 5670
- 2 ELECTRON TUBE 5814A
- 3 ELECTRON TUBE 5687WA
- 4 ELECTRON TUBE 6AG7Y

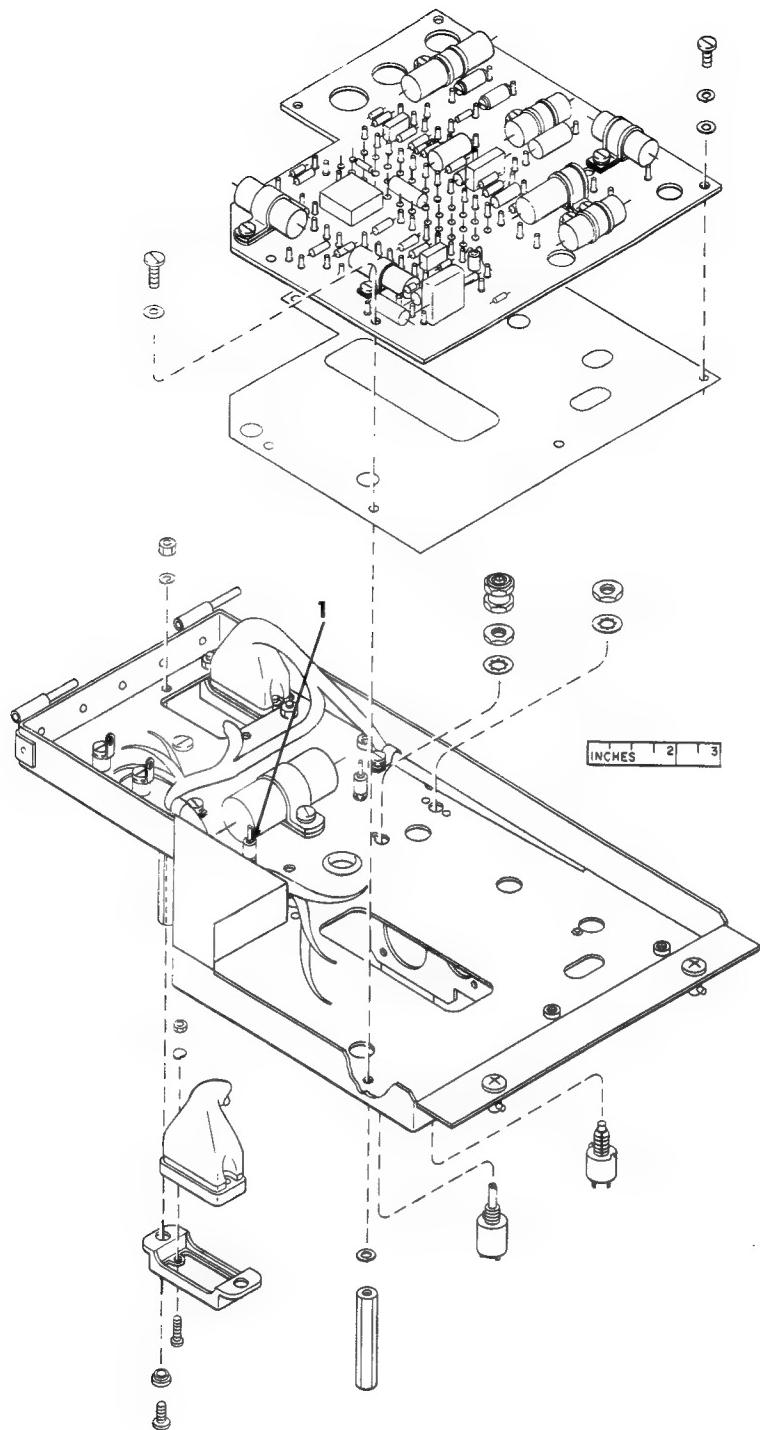
Figure 251. Amplifier, video (9986413) – partial exploded view



O&E G284319

1 CAPACITOR CM35E103J

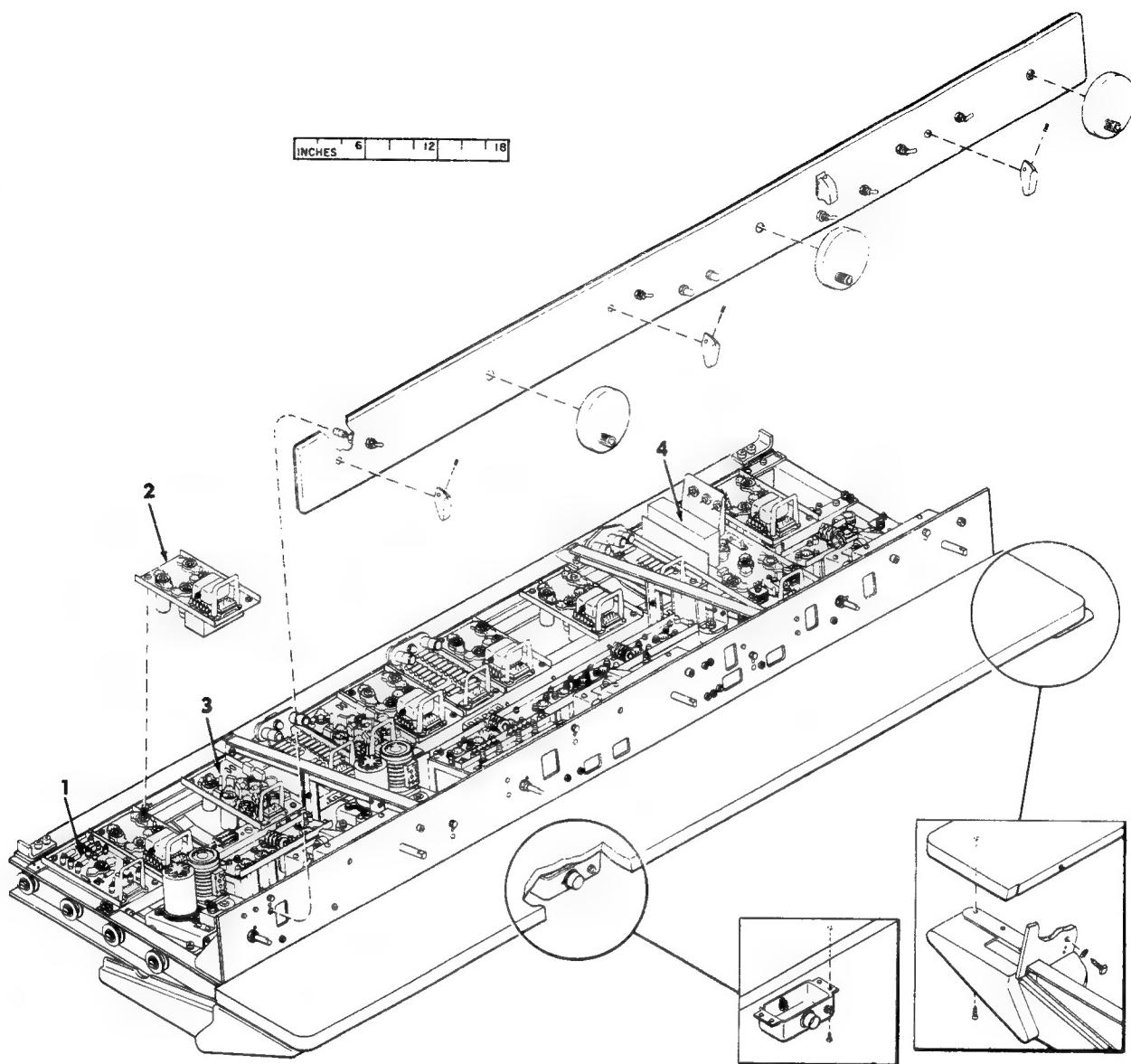
Figure 254. Capacitor-resistor assembly (9986419) - partial exploded view



ORD G26341C

1 TERMINAL 7598949

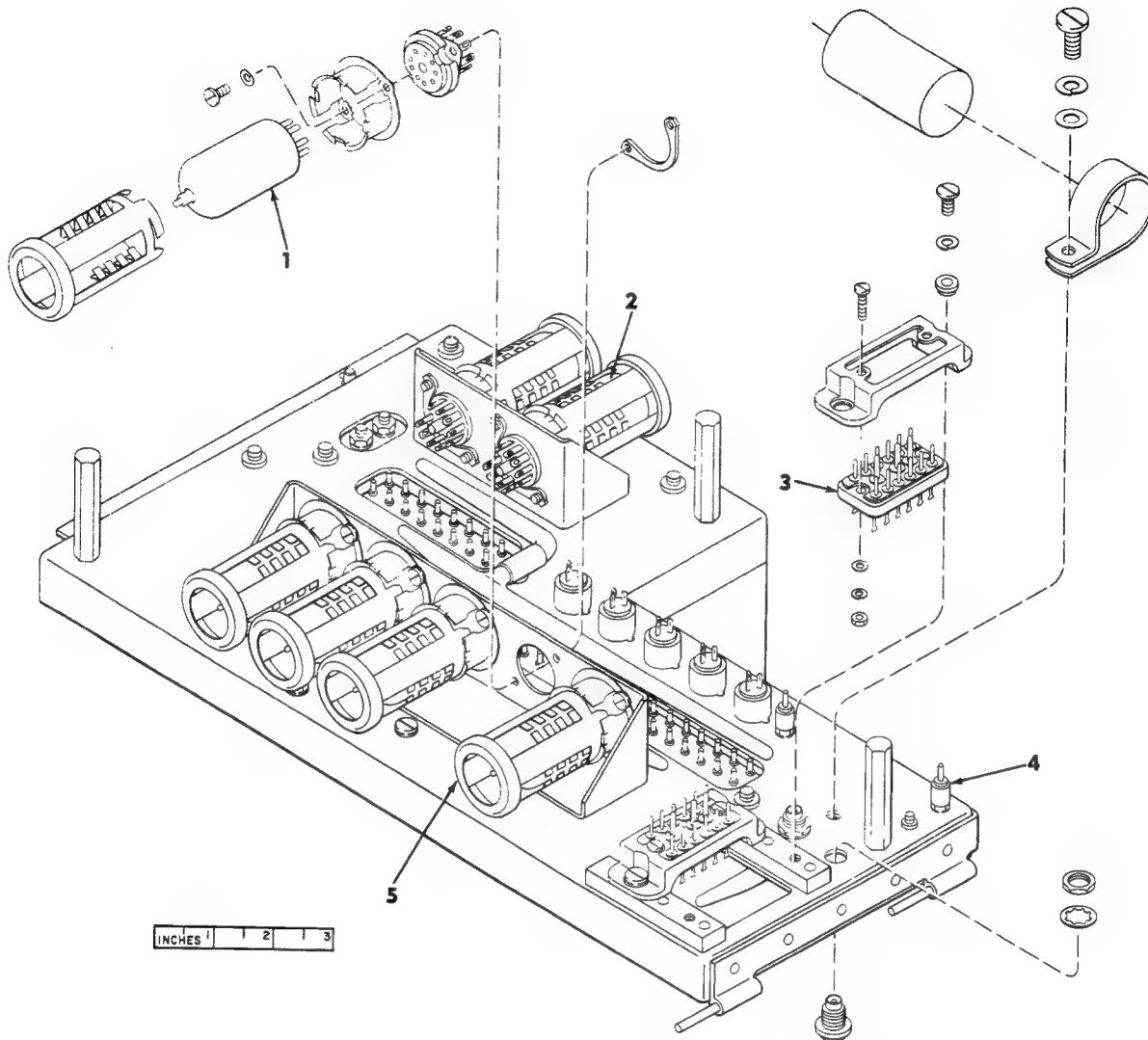
Figure 253. Amplifier, video (9986413)—partial exploded view



ORD G284321

- 1 AMPLIFIER 9140767
- 2 AMPLIFIER 7614253
- 3 AMPLIFIER 9005495
- 4 AMPLIFIER 9995950

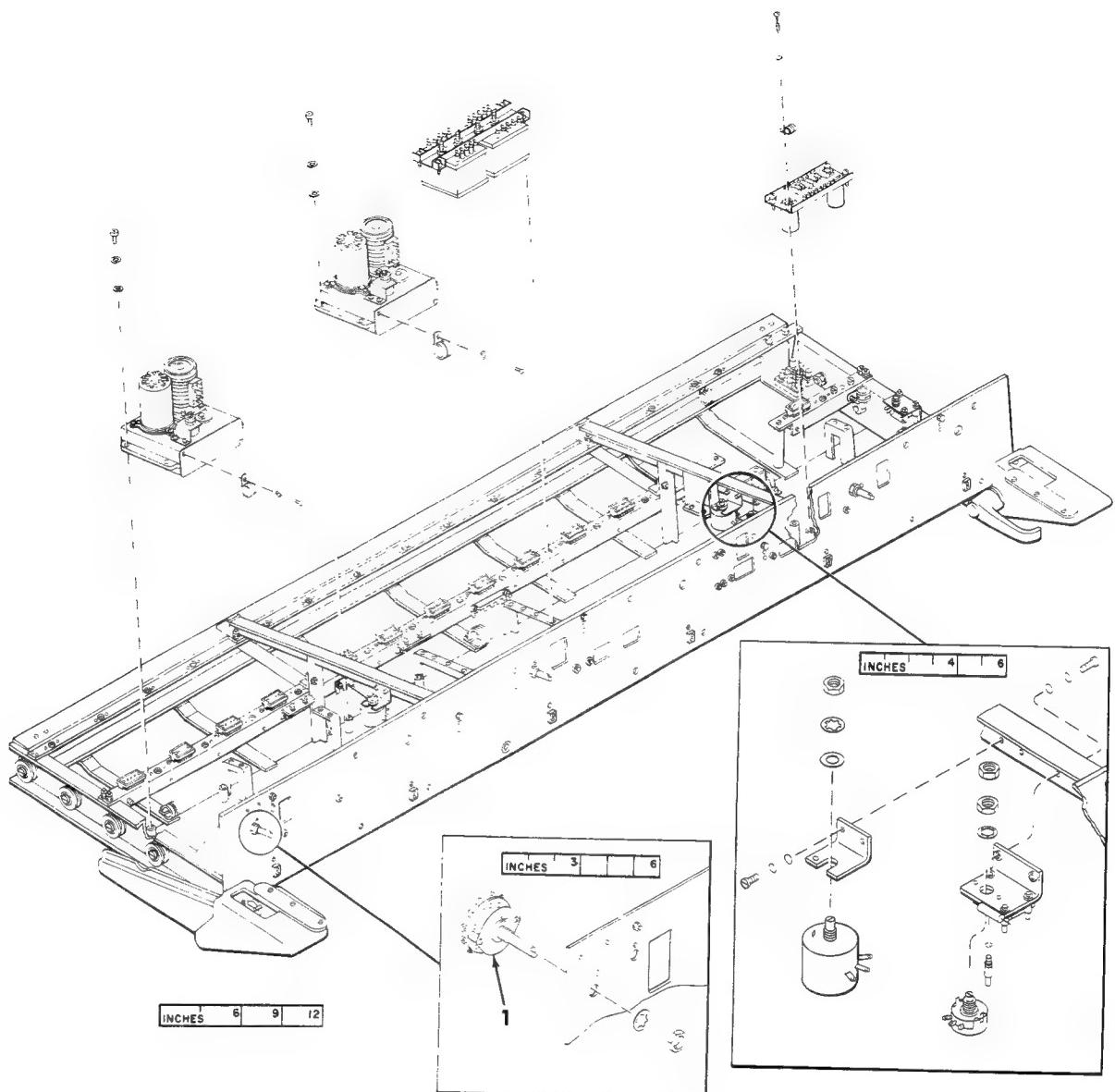
Figure 256. Antenna control group (9143655) – partial exploded view



ORD G284320

- | | | |
|---|---------------|---------|
| 1 | ELECTRON TUBE | 12AT7WA |
| 2 | ELECTRON TUBE | 5687WA |
| 3 | CONNECTOR | 7598934 |
| 4 | TERMINAL | 7598949 |
| 5 | ELECTRON TUBE | 5814A |

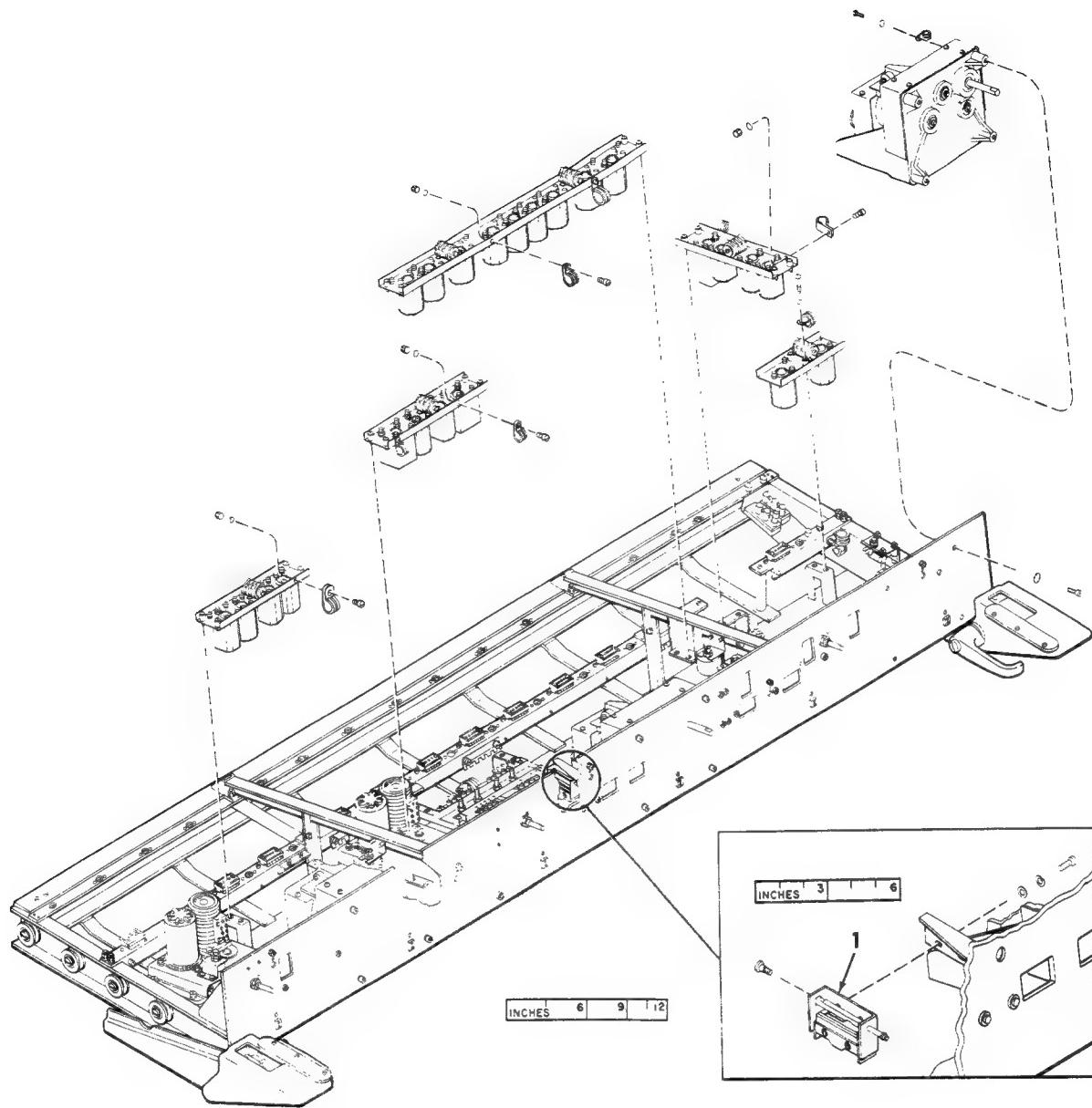
Figure 255. Generator, electrical marker (9160617) – exploded view



ORD G284323

1 SWITCH 8511693

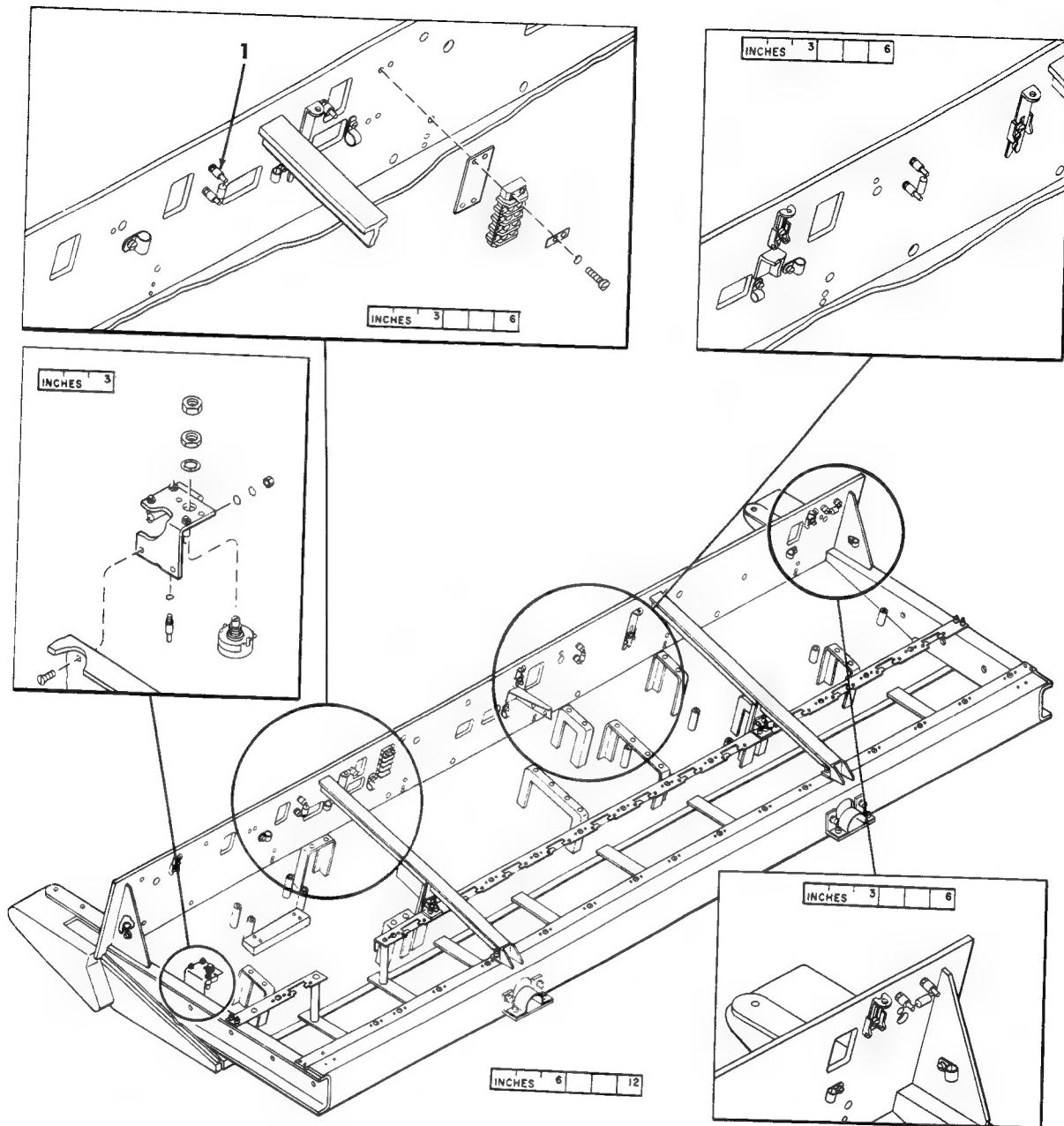
Figure 258. Antenna control group (9143655)-partial exploded view



ORD G284322

I SWITCH 7602749

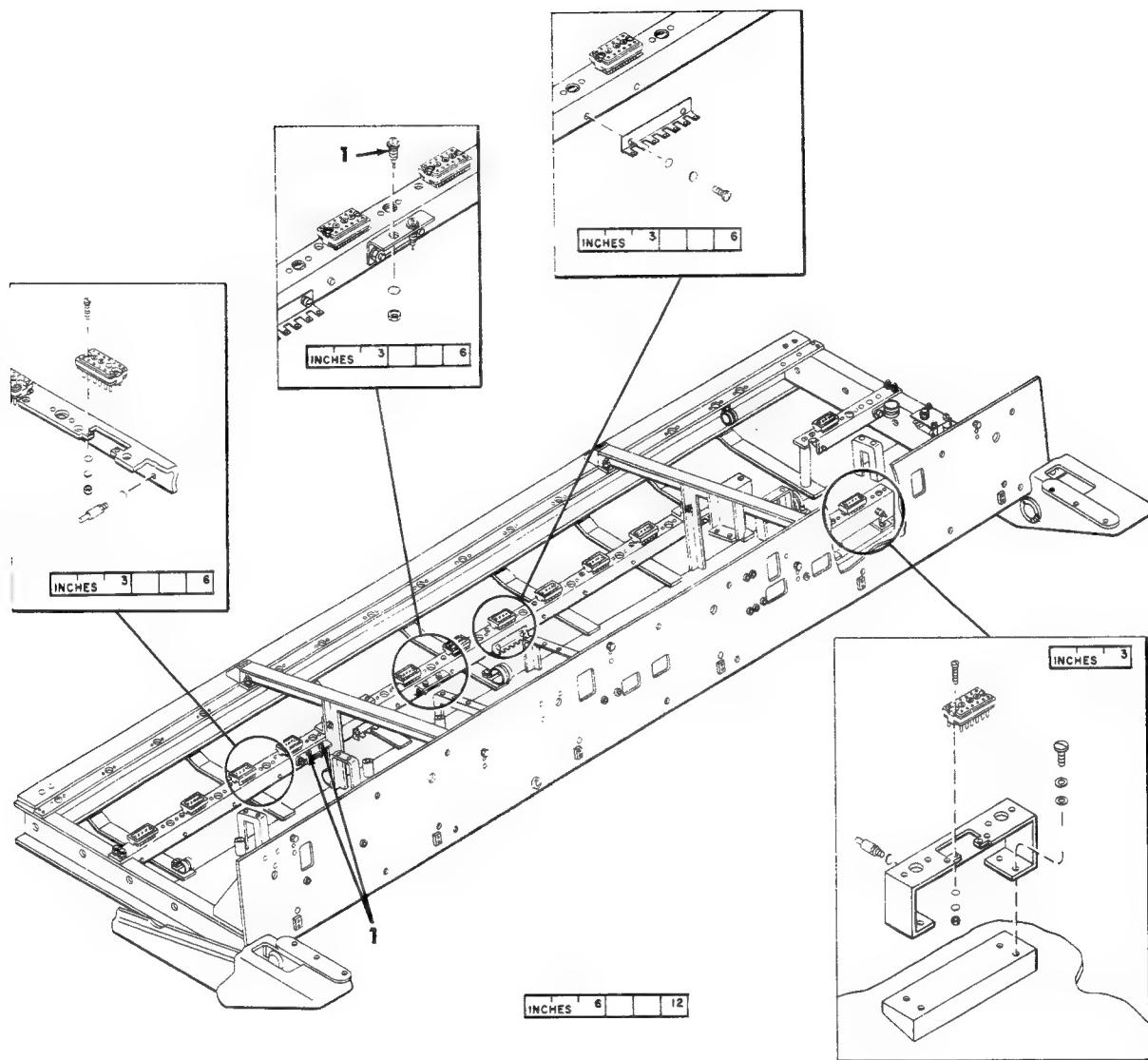
Figure 257. Antenna control group (9143655)—partial exploded view



ORD G284325

1 TERMINAL 7598949

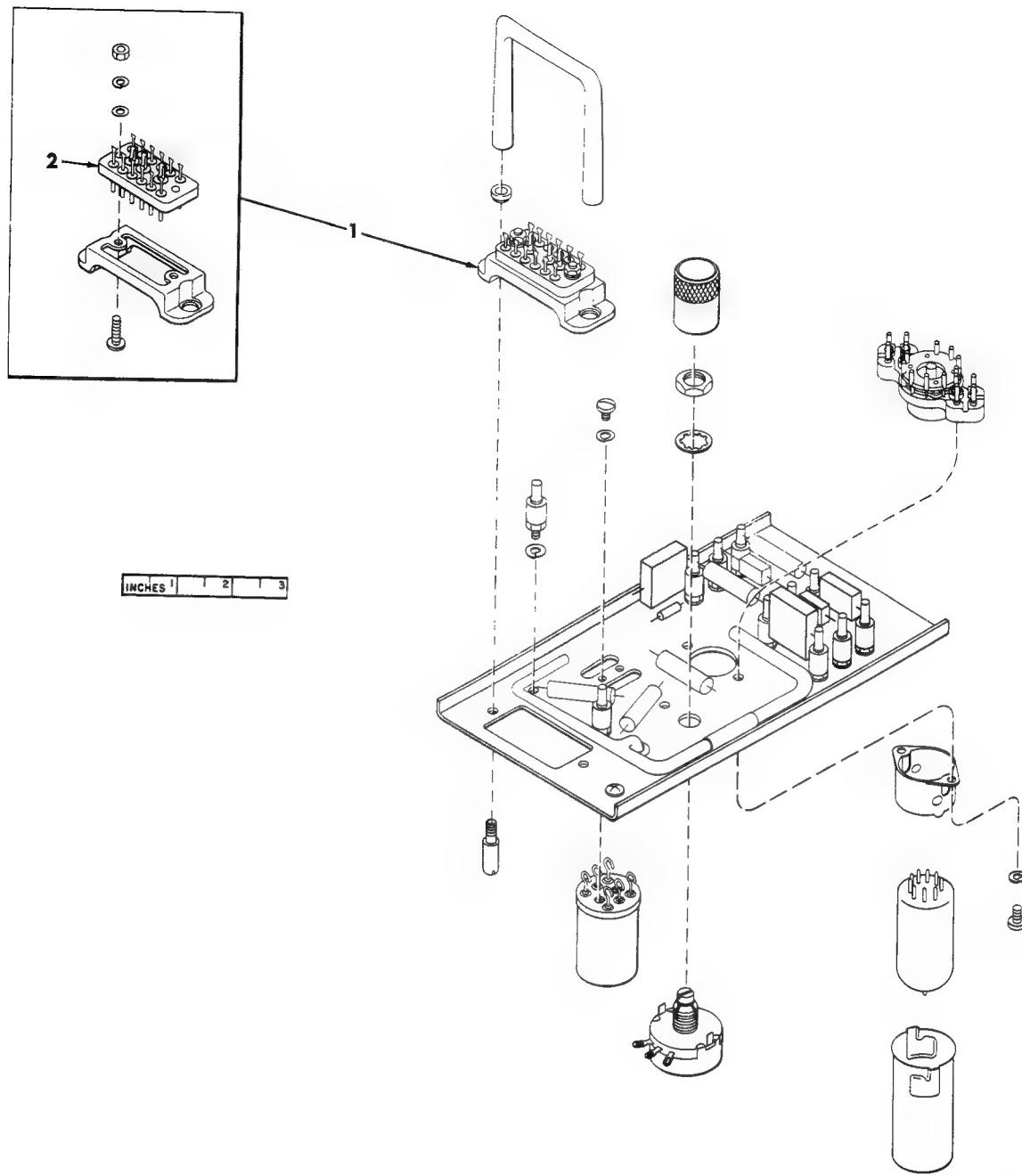
Figure 260. Antenna control group (9143655)—partial exploded view



ORD G284324

1 JACK 8175214

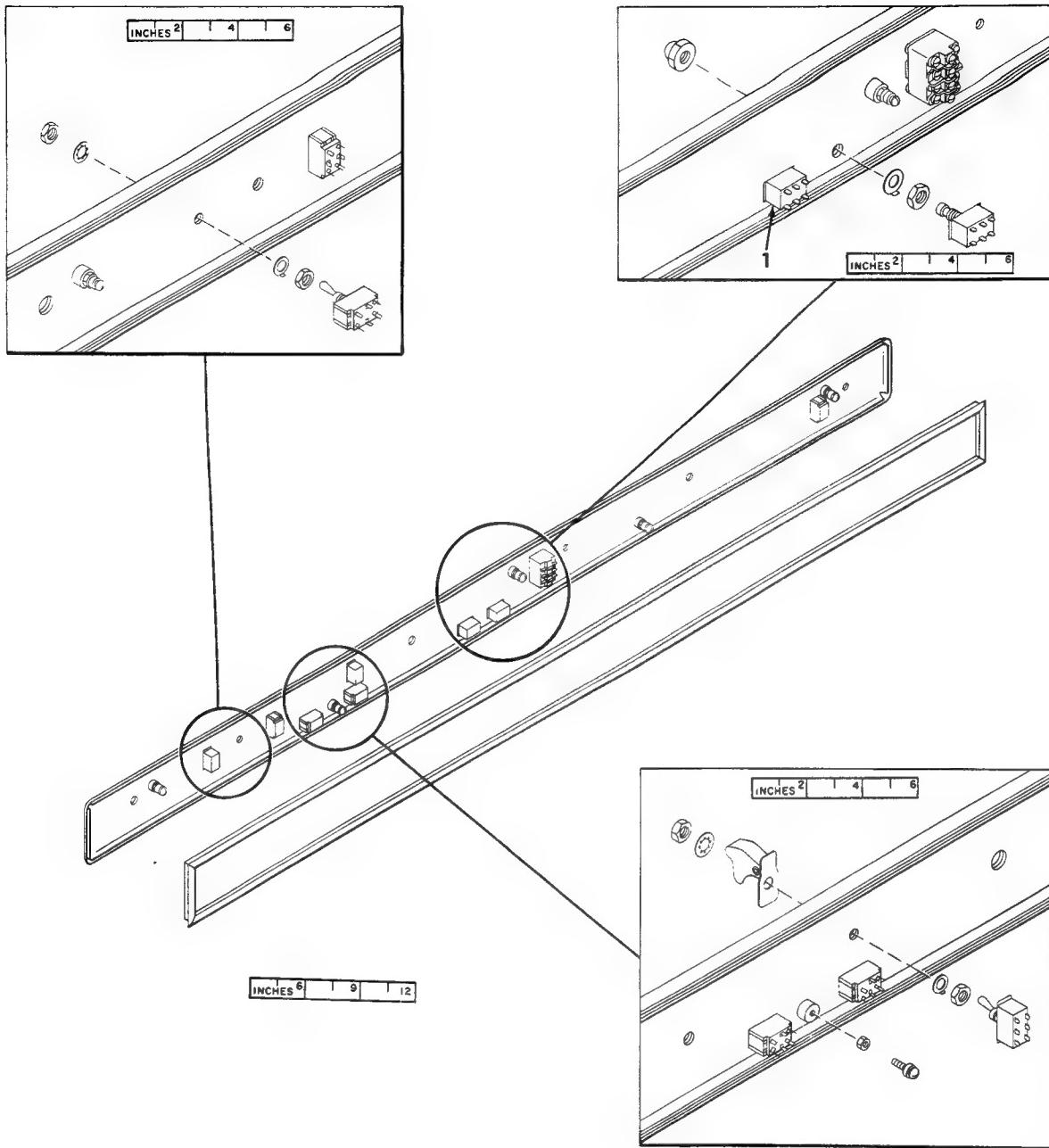
Figure 259. Antenna control group (9143655)–partial exploded view



ORD G260054

1	CONNECTOR	7598051
2	CONNECTOR	7598934

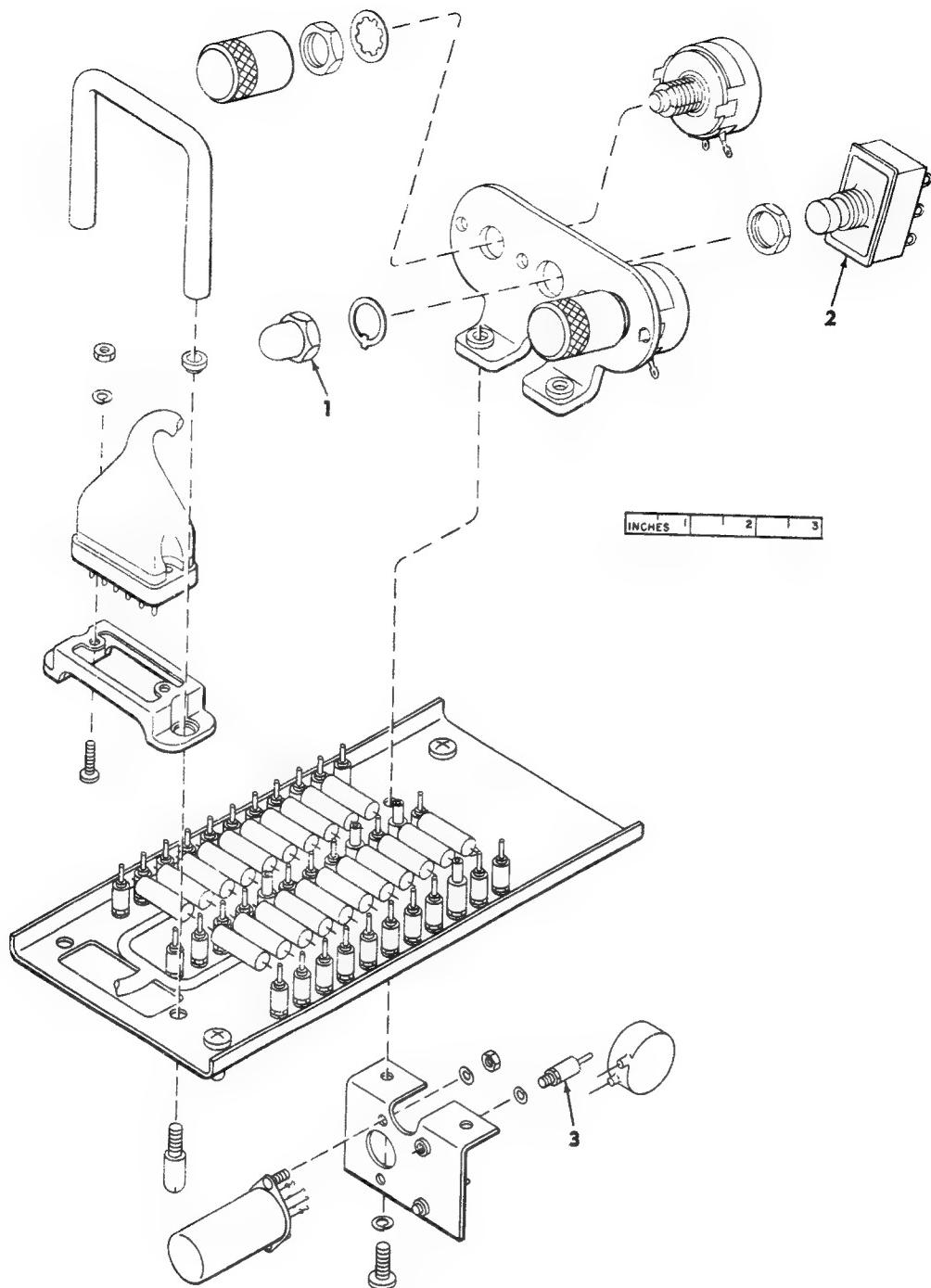
Figure 262. Amplifier, audio frequency (9140767) – exploded view



ORD G284326

1 SWITCH 9000695

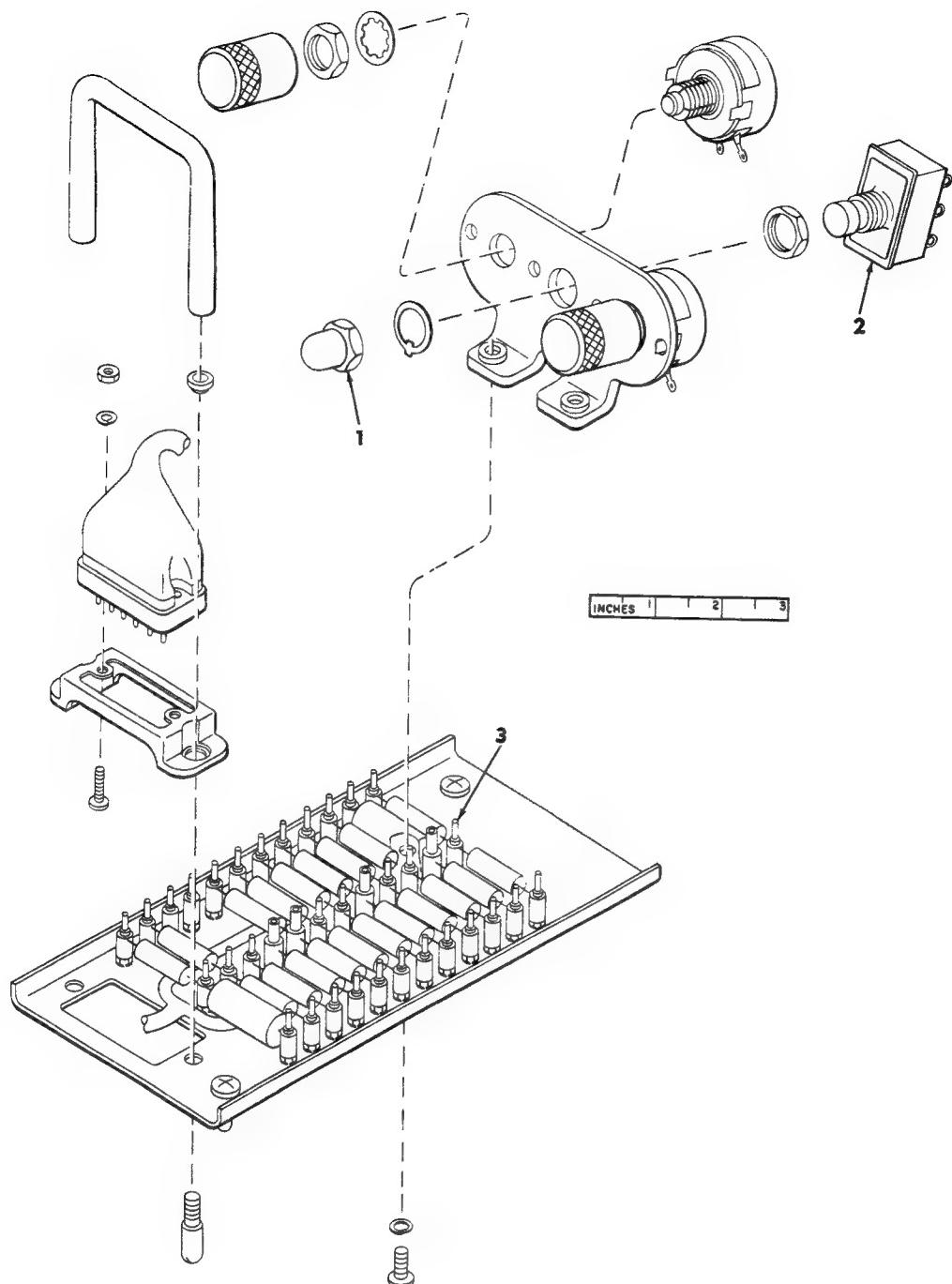
Figure 261. Panel (9143656) - exploded view



ORD G284327

- 1 BCOT 9017174
- 2 SWITCH 9000695
- 3 TERMINAL 7598949

Figure 264. Resistor assembly (9160778) - exploded view



ORD G260055

- 1 BOOT 9017174
- 2 SWITCH 9000695
- 3 TERMINAL 7598949

Figure 263. Resistor assembly (9160779) - exploded view

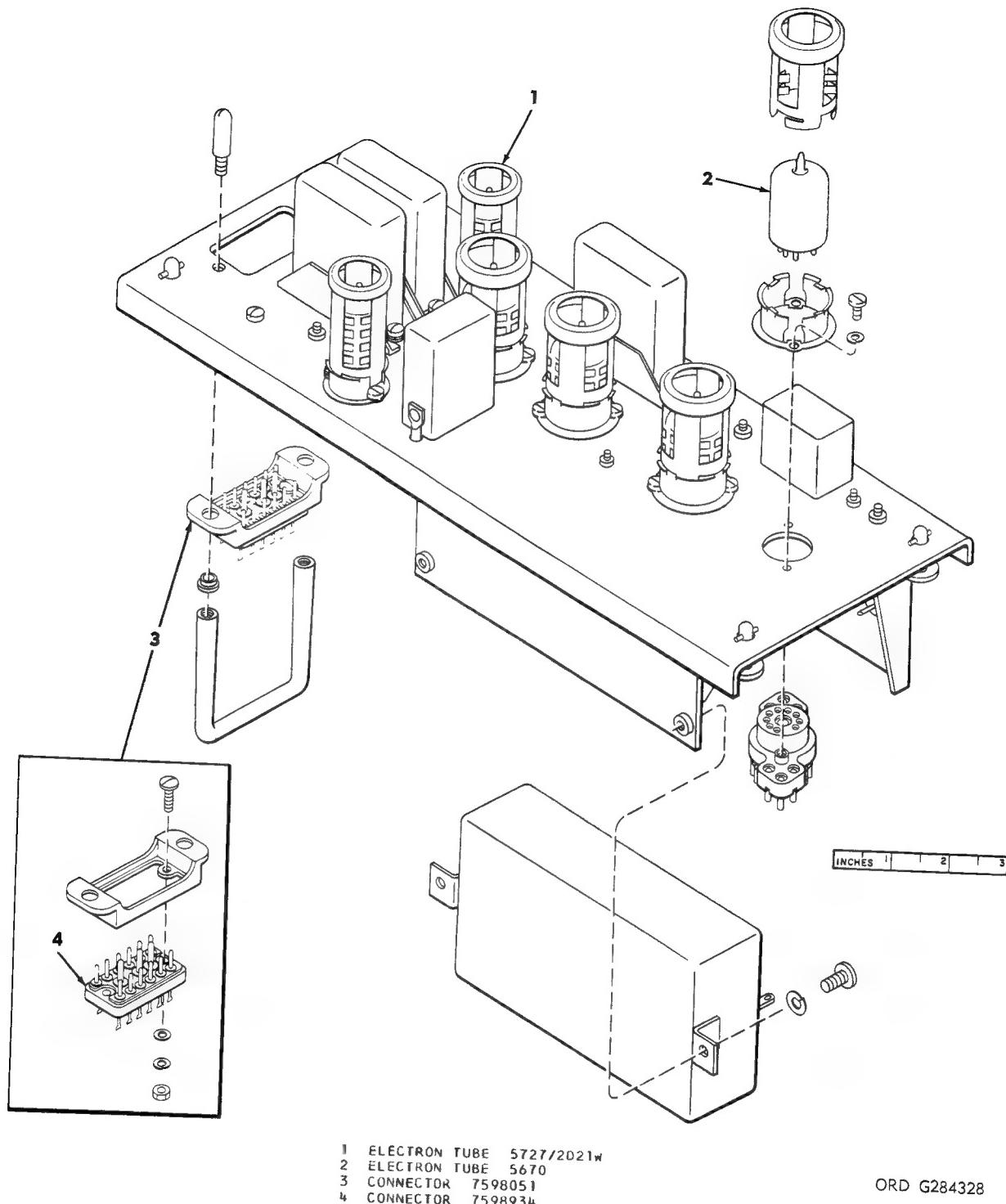
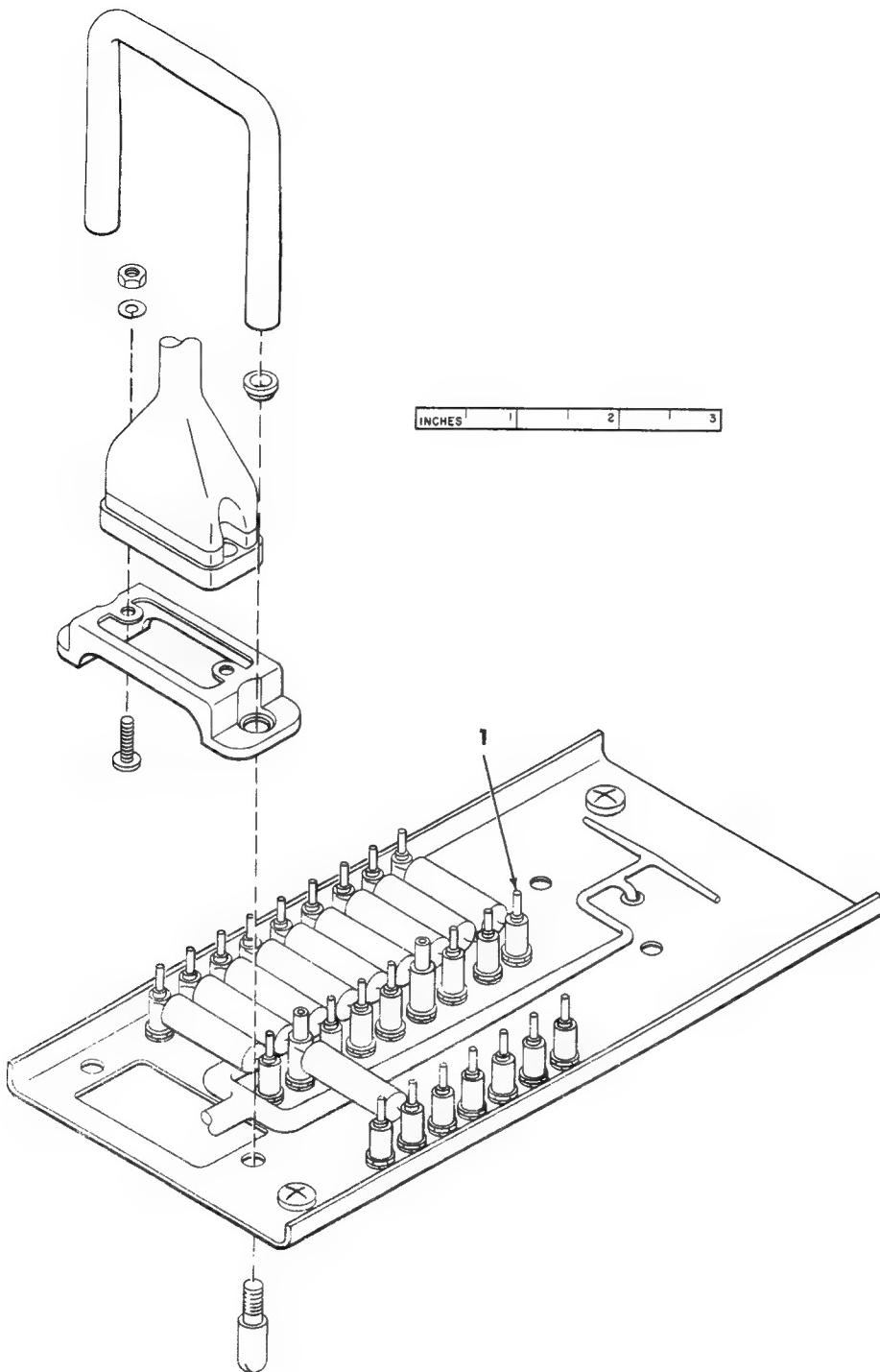


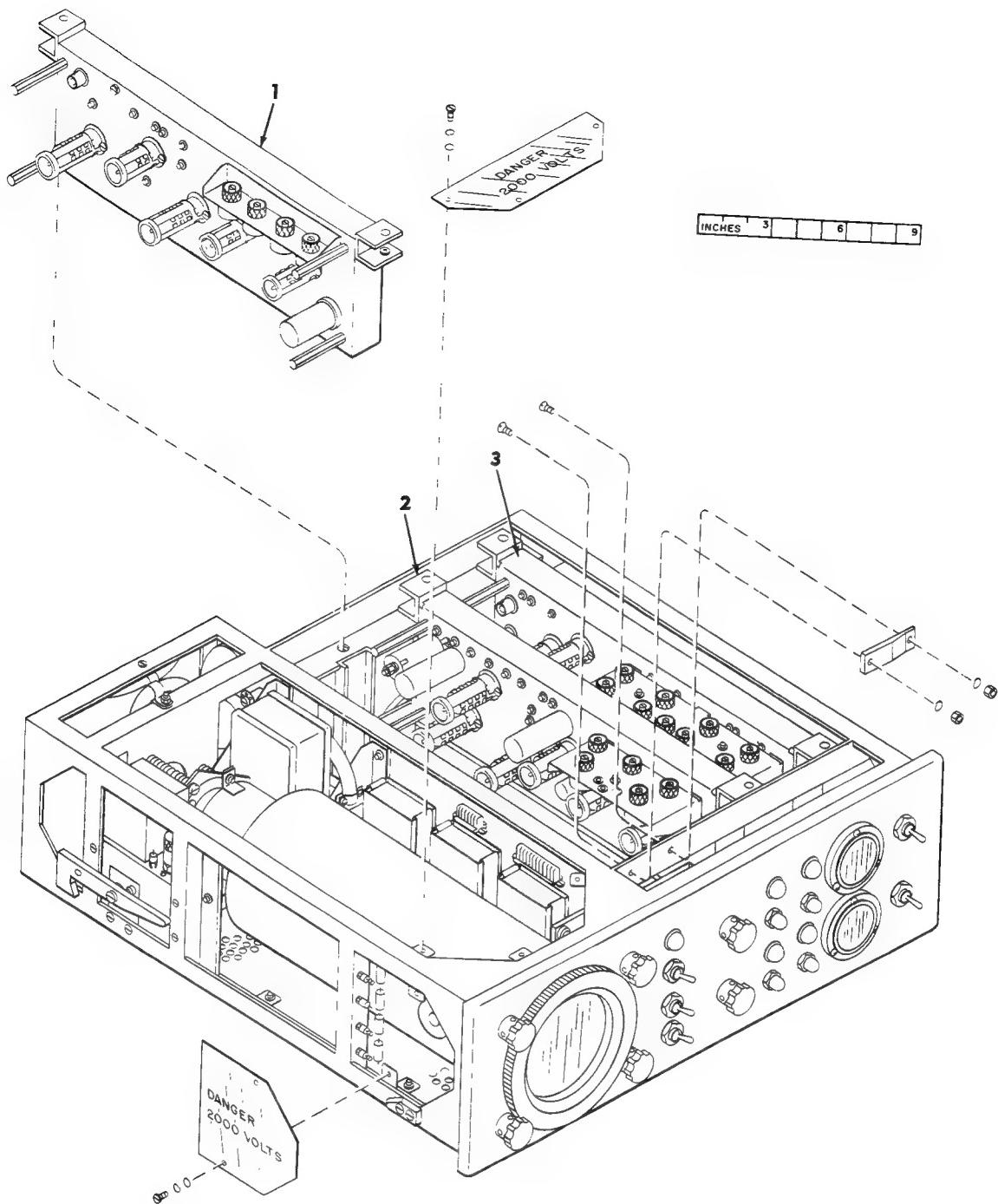
Figure 266. Amplifier, electronic control (9995950)—partial exploded view



ORD G260057

I TERMINAL 7598949

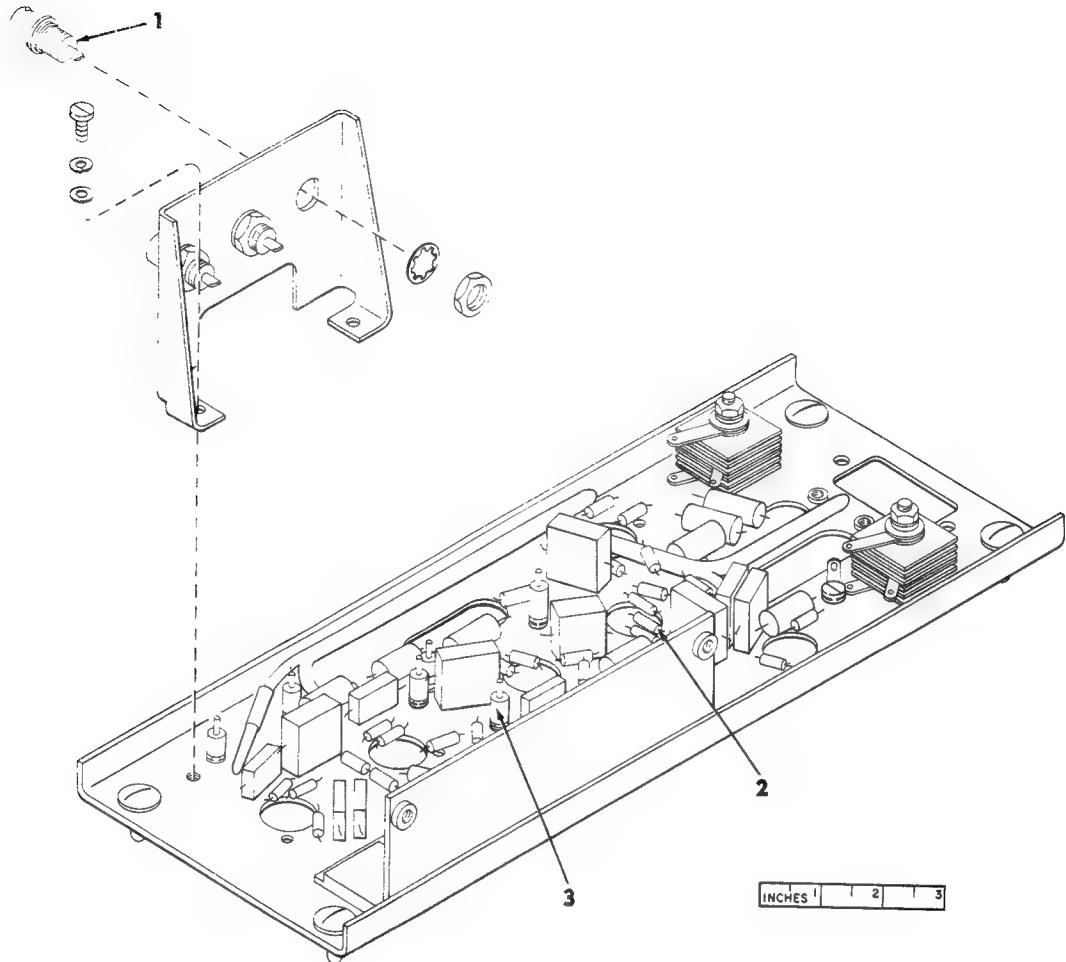
Figure 265. Resistor assembly (9995949)—exploded view



1 AMPLIFIER 9139125
 2 GENERATOR 9139349
 3 GENERATOR 9139336

ORD G260060

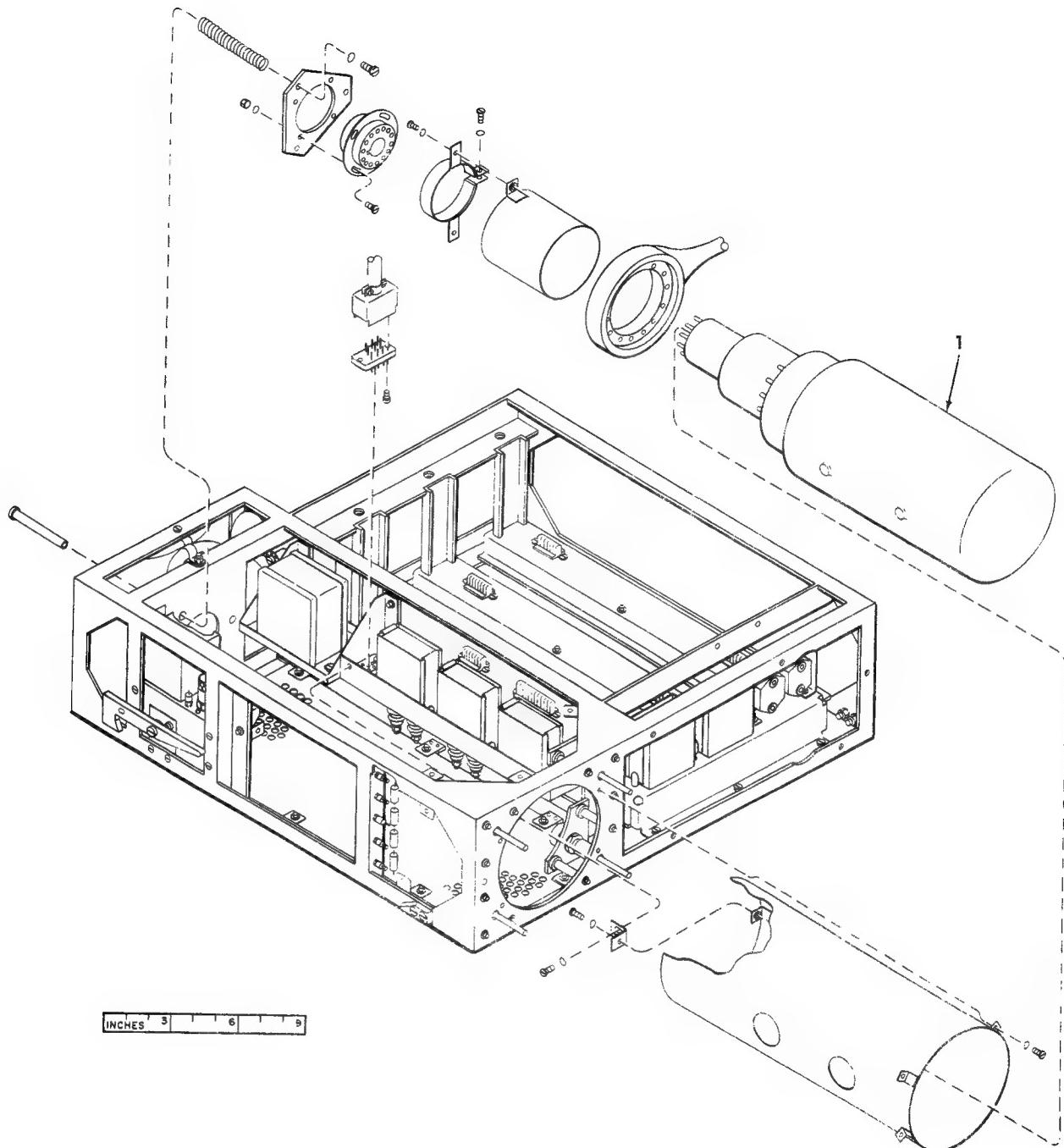
Figure 268. Control indicator (9139490)—partial exploded view



ORD G284329

- 1 CONNECTOR MS-27035-625B
- 2 SEMICONDUCTOR DEVICE
INT98
- 3 TERMINAL 7598949

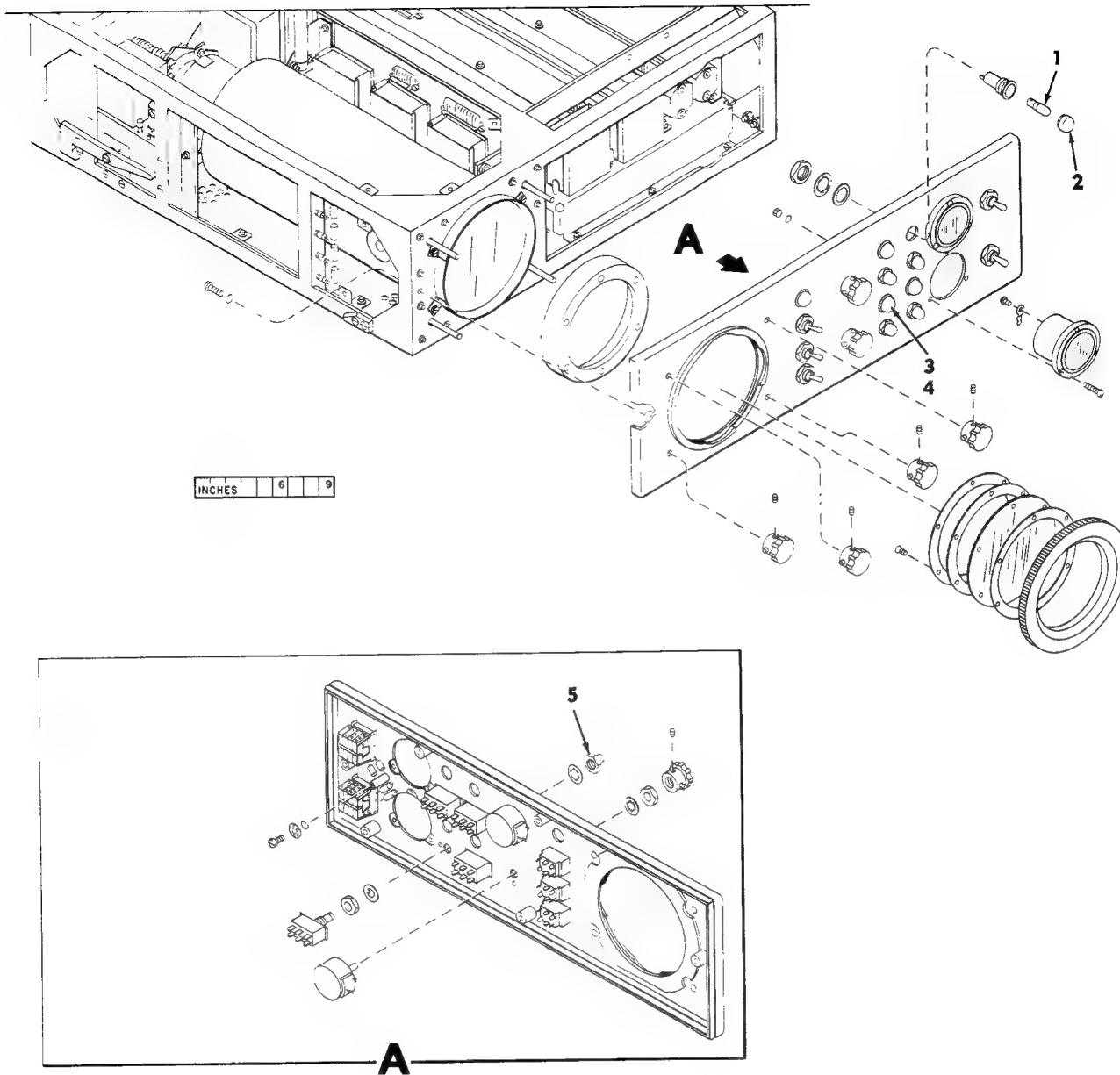
Figure 267. Amplifier, electronic control (9995950)—partial exploded view



ORD G78676

1 ELECTRON TUBE SAFP1

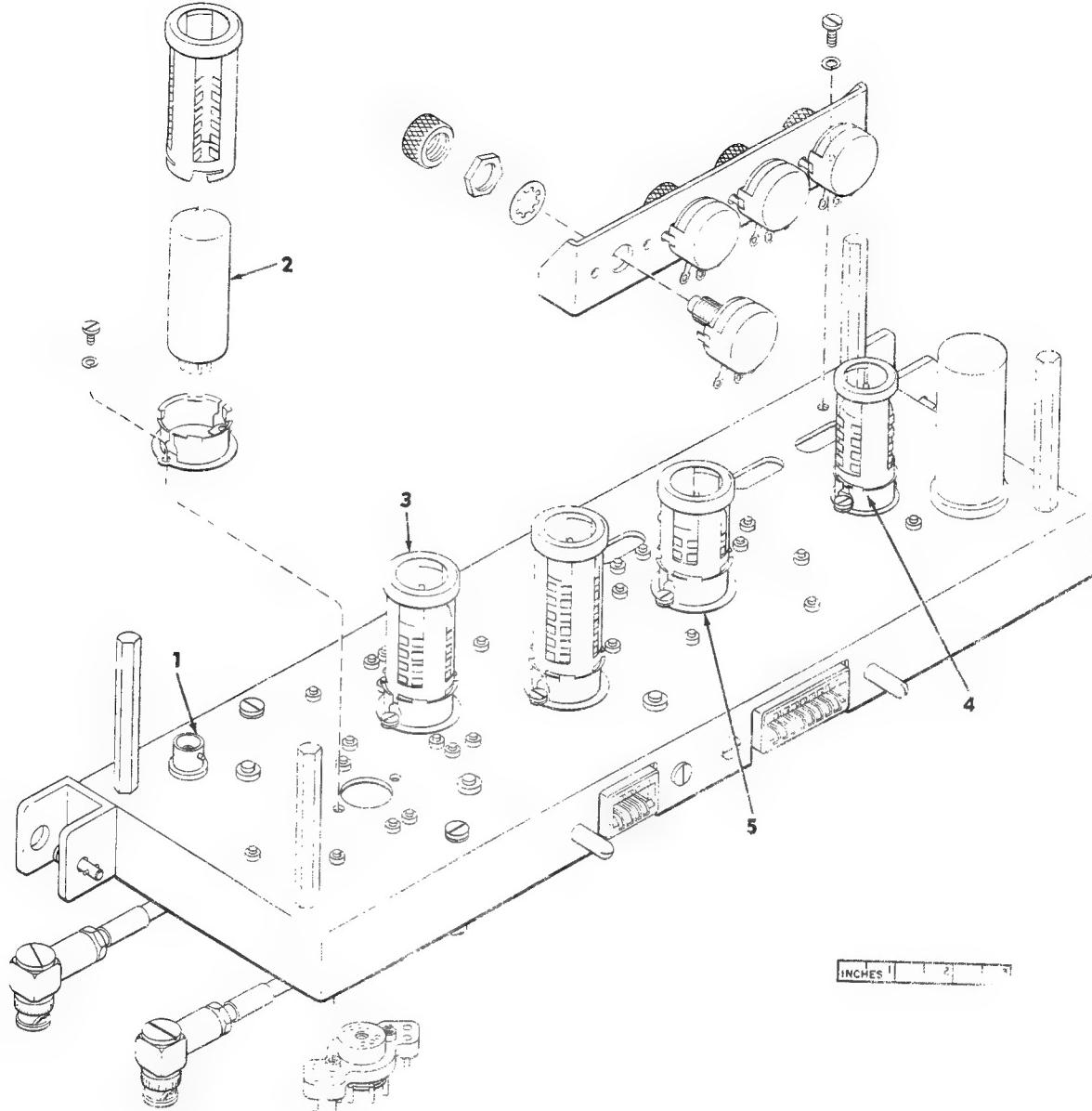
Figure 270. Control indicator (9139490)—partial exploded view



ORD G284330

- 1 LAMP 9976102
- 2 LENS 8175030
- 3 LAMP MS-25231-1819
- 4 LENS 8175031
- 5 BOOT 9017174

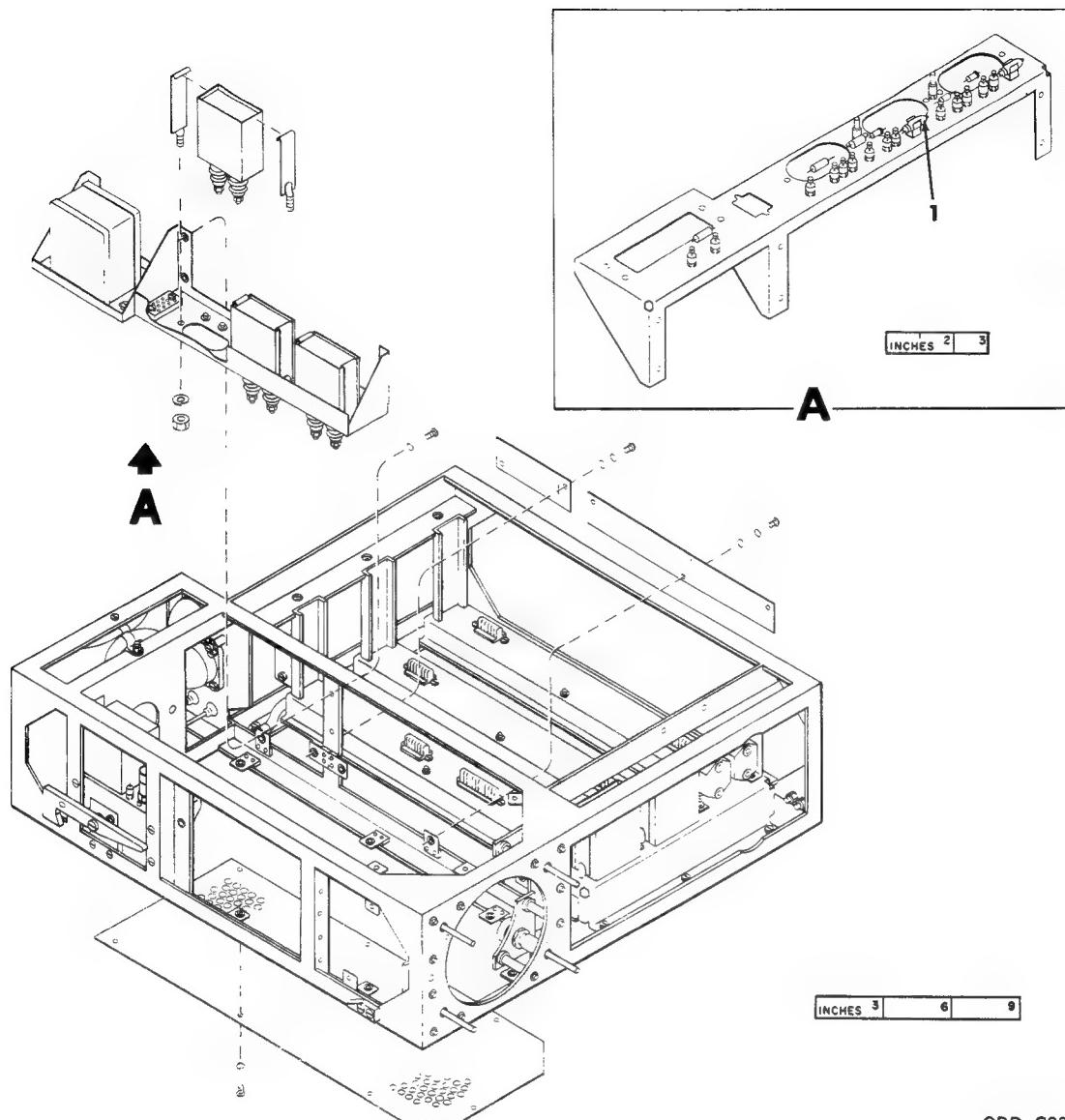
Figure 269. Control indicator (9139490)—partial exploded view



ORD G284332

- 1 CONNECTOR MS-27035-525B
- 2 ELECTRON TUBE 6CL6
- 3 ELECTRON TUBE 5687WA
- 4 ELECTRON TUBE 6AH6
- 5 ELECTRON TUBE 5670

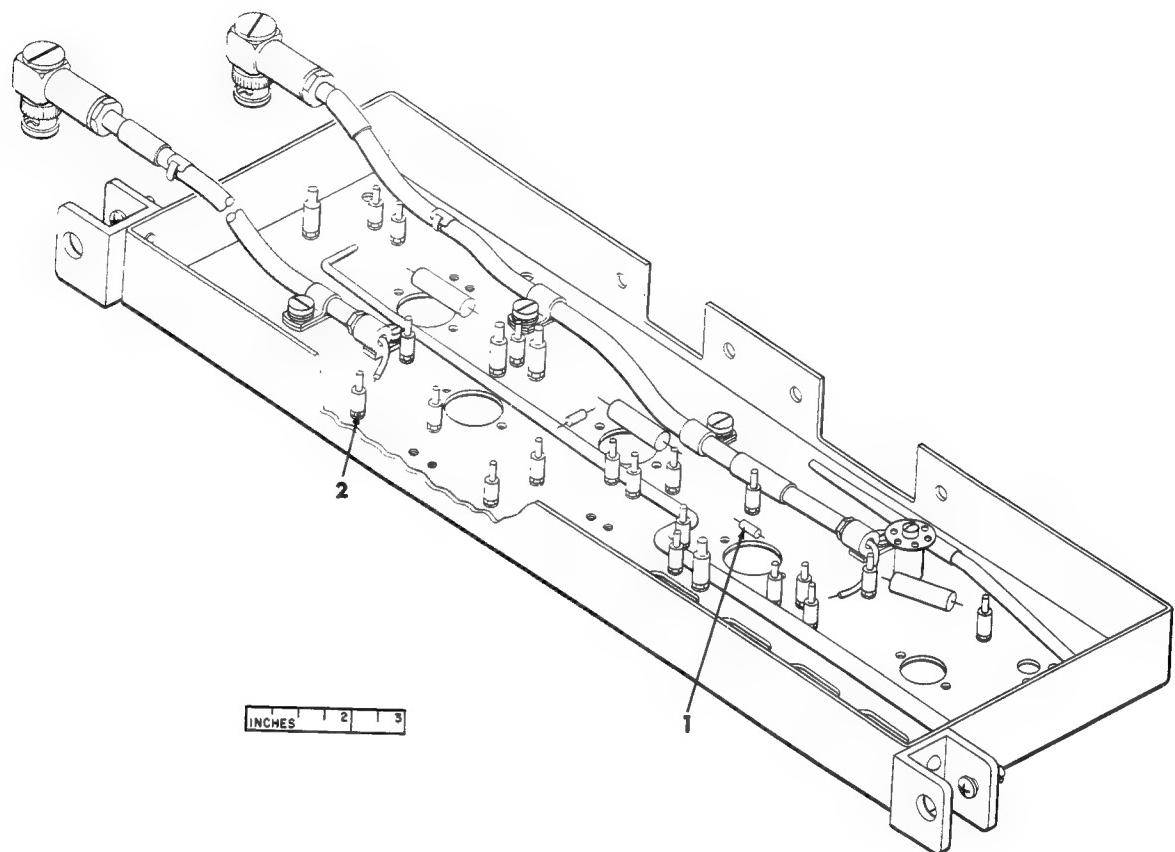
Figure 271. Amplifier, video (9139125) - partial exploded view



ORD G284331

1 LAMI N-2A

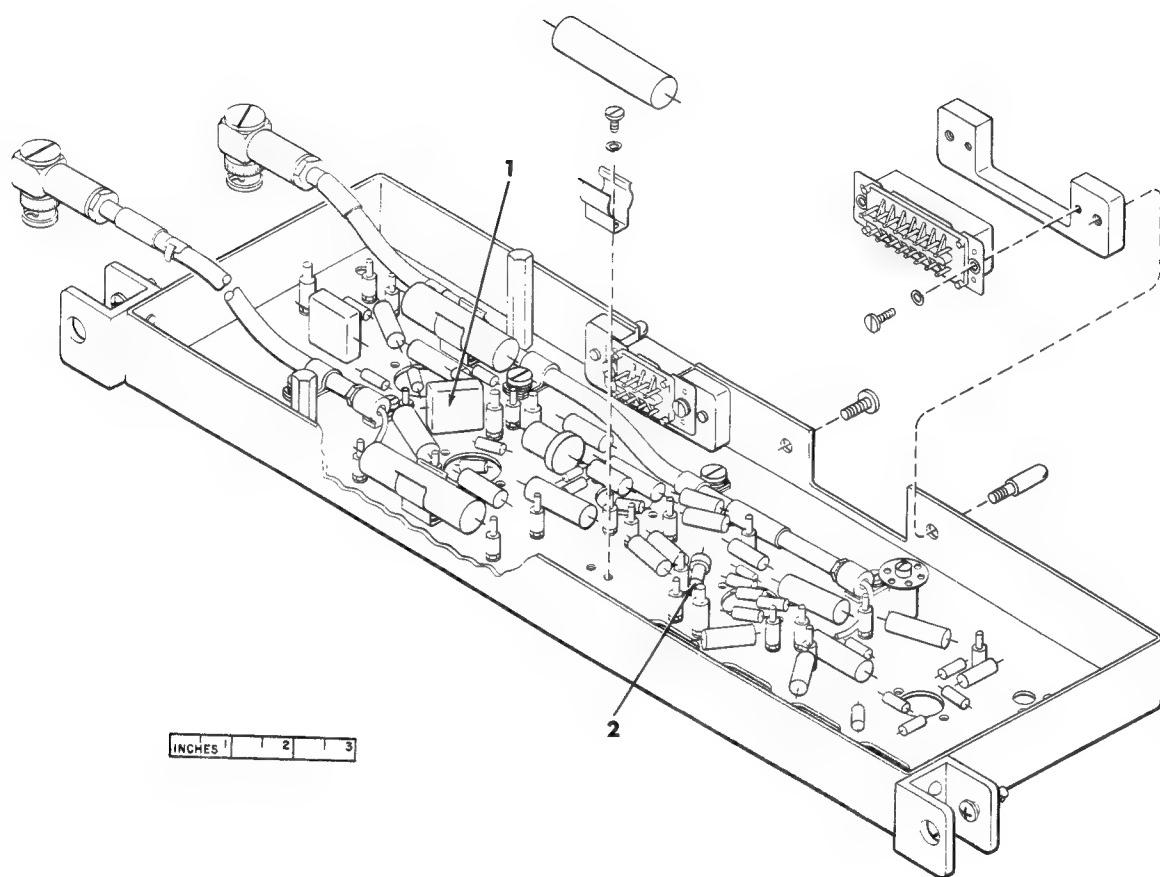
Figure 271. Control indicator (9139490)—partial exploded view



ORD G284334

1 CRYSTAL UNIT 8024445
2 TERMINAL 7598949

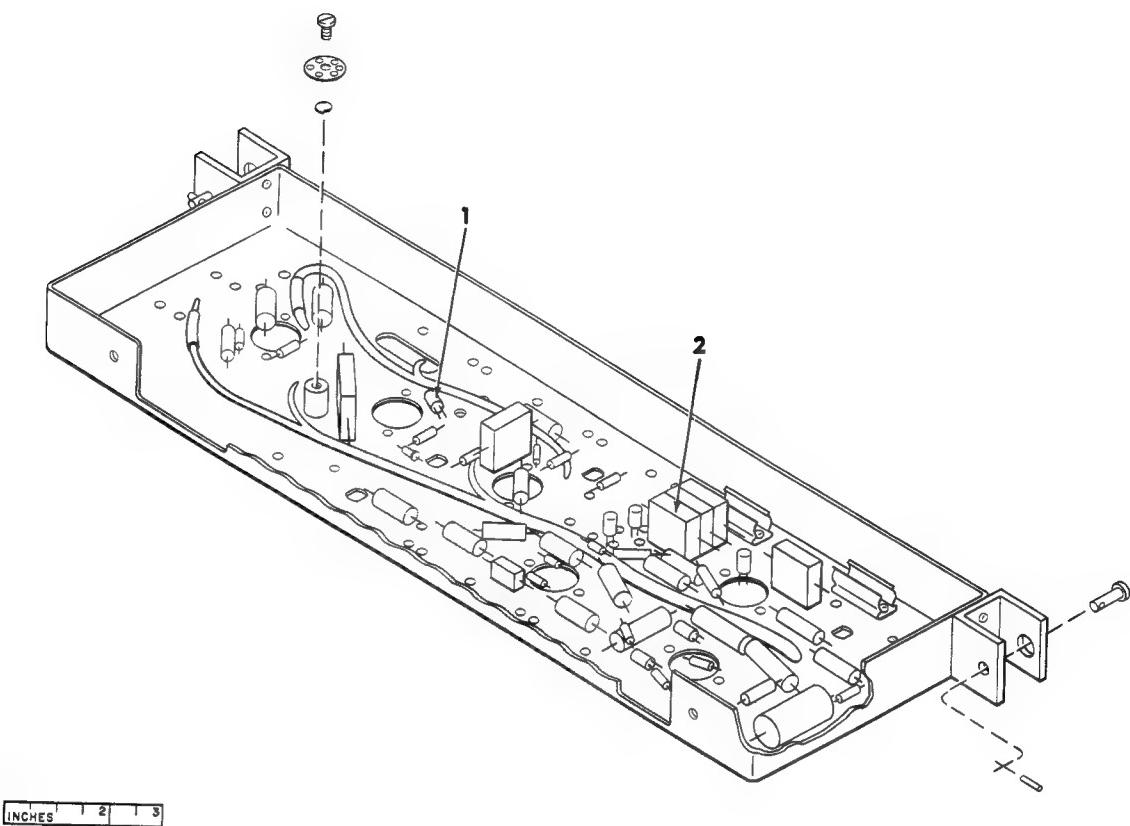
Figure 274. Amplifier, video (9139125)—partial exploded view



ORD G284333

1 CAPACITOR CM35E1.31
2 CAPACITOR 802343

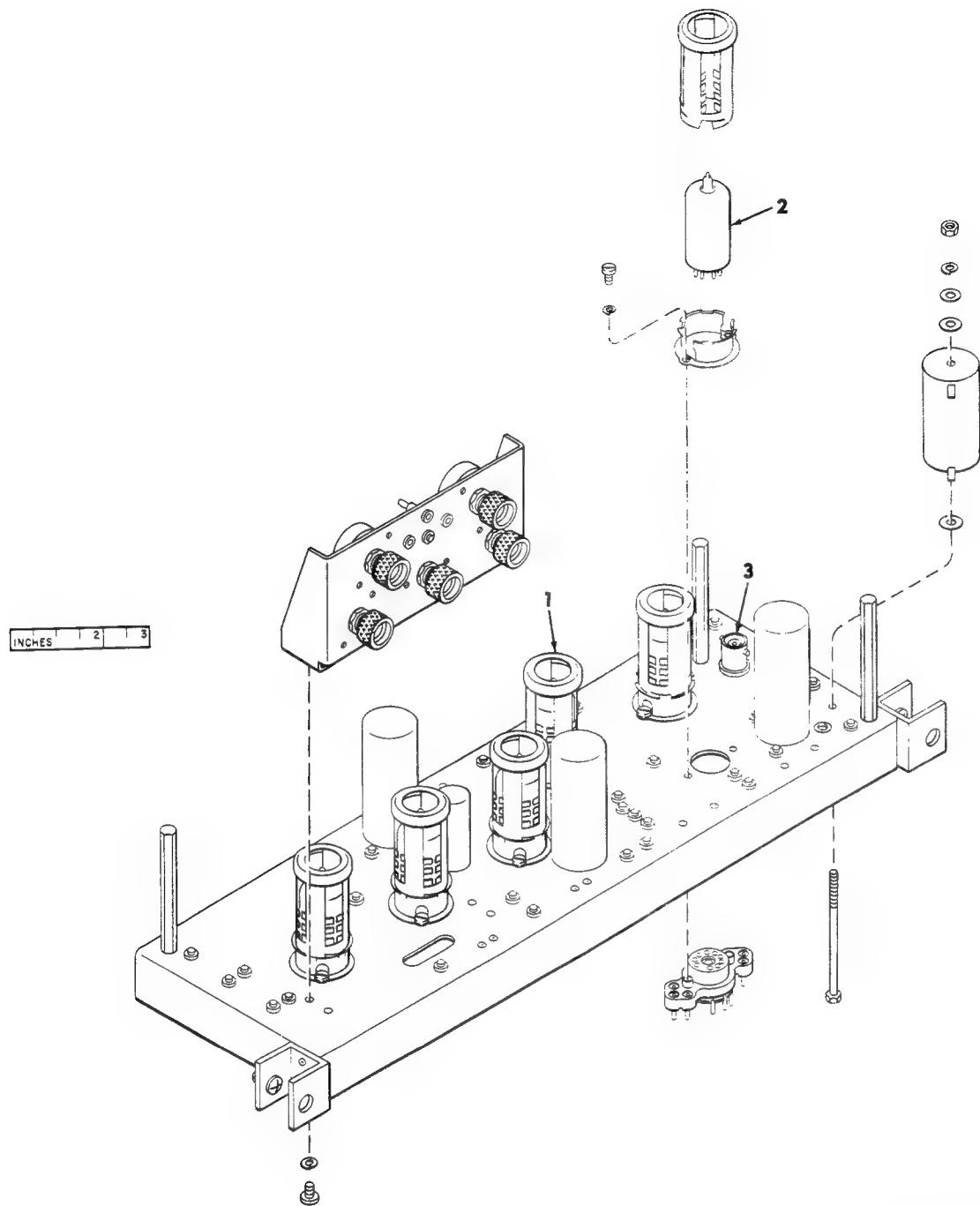
Figure 273. Amplifier, video (9139125)—partial exploded view



ORD G284336

1 CRYSTAL UNIT 8024445
2 CAPACITOR CM35E103J

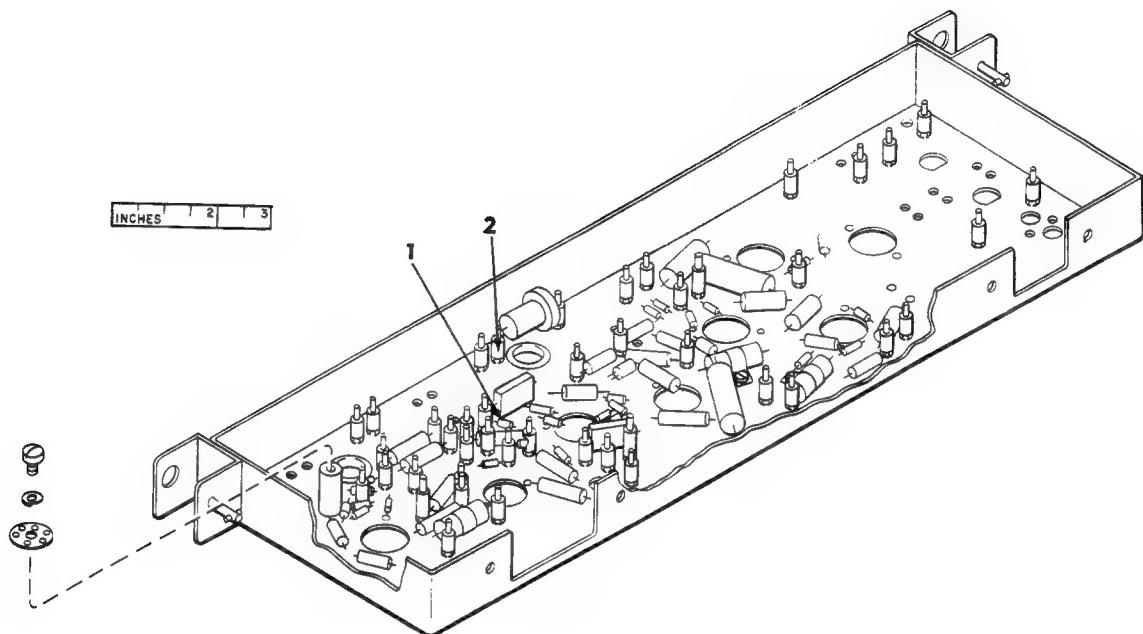
Figure 276. Generator, pulse sweep (9139349)—partial exploded view



ORD G284335

- 1 ELECTRON TUBE 5687WA
- 2 ELECTRON TUBE 5814A
- 3 CONNECTOR MS-27035-625B

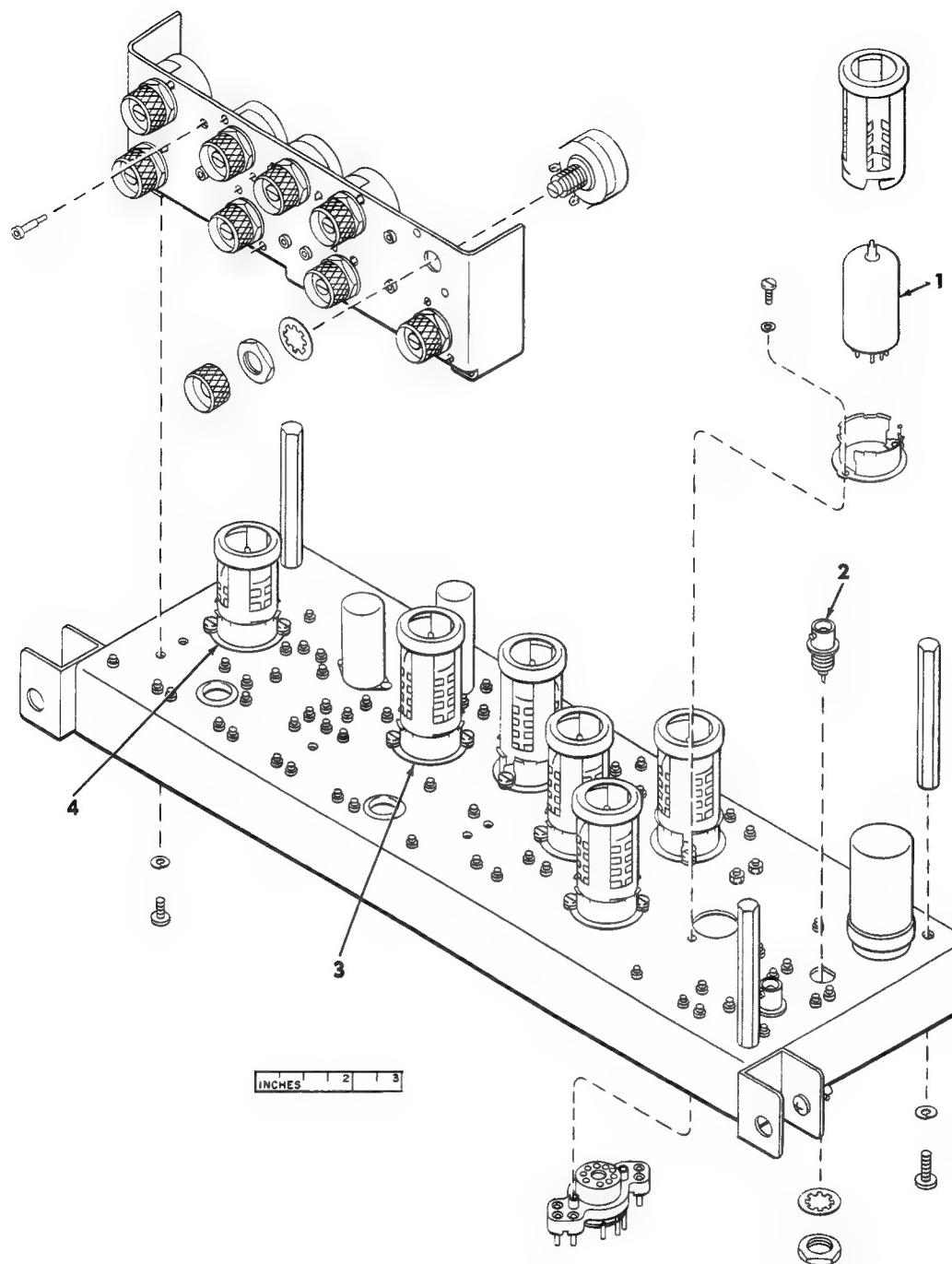
Figure 275. Generator, pulse sweep (9139349)—partial exploded view



ORD G284338

1 CRYSTAL UNIT 8024445
2 TERMINAL 7598949

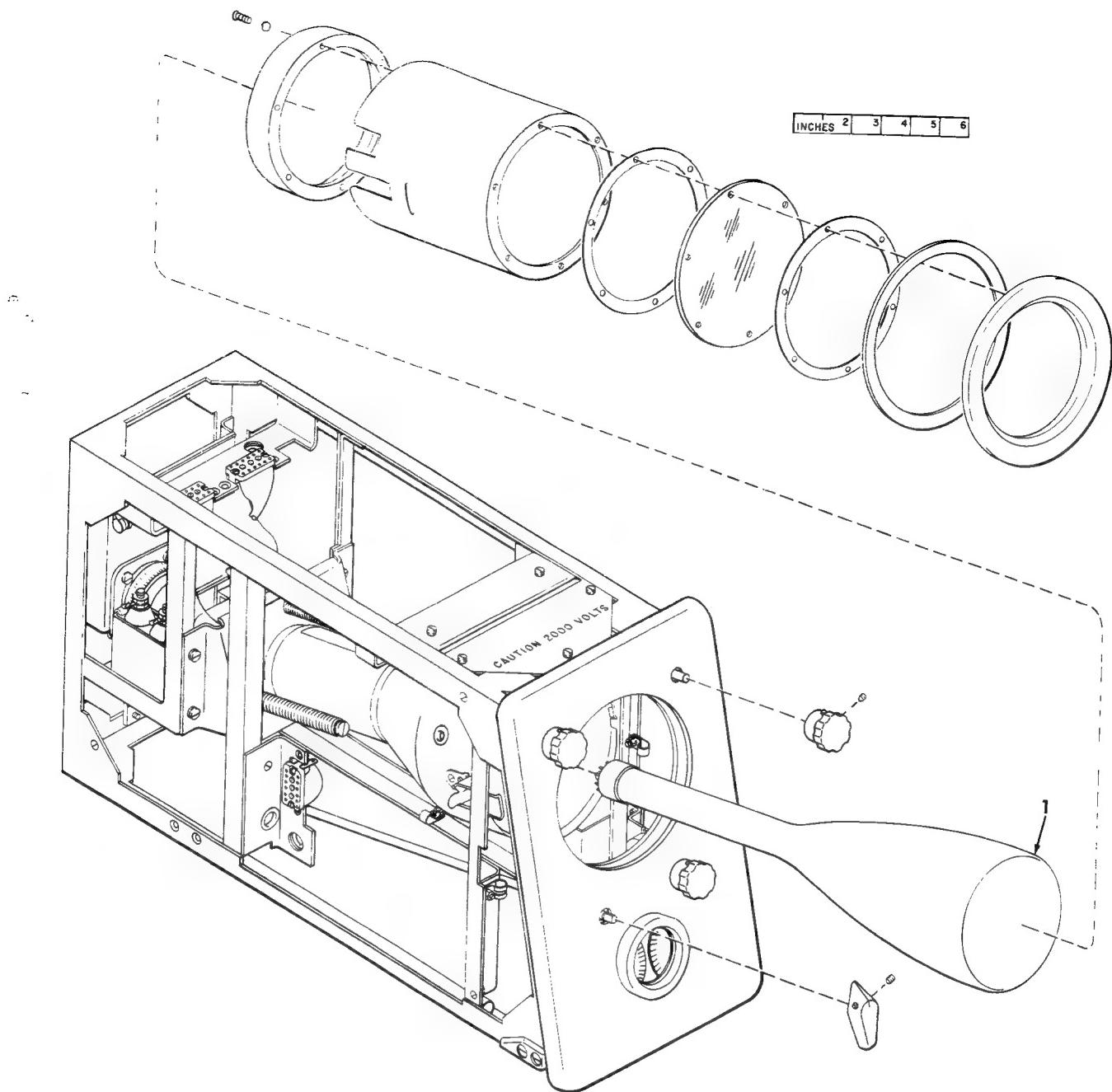
Figure 278. Generator (9139336) - partial exploded view



- 1 ELECTRON TUBE 5687WA
 2 CONNECTOR MS-27035-625B
 3 ELECTRON TUBE 5751
 4 ELECTRON TUBE 5670

ORD G284337

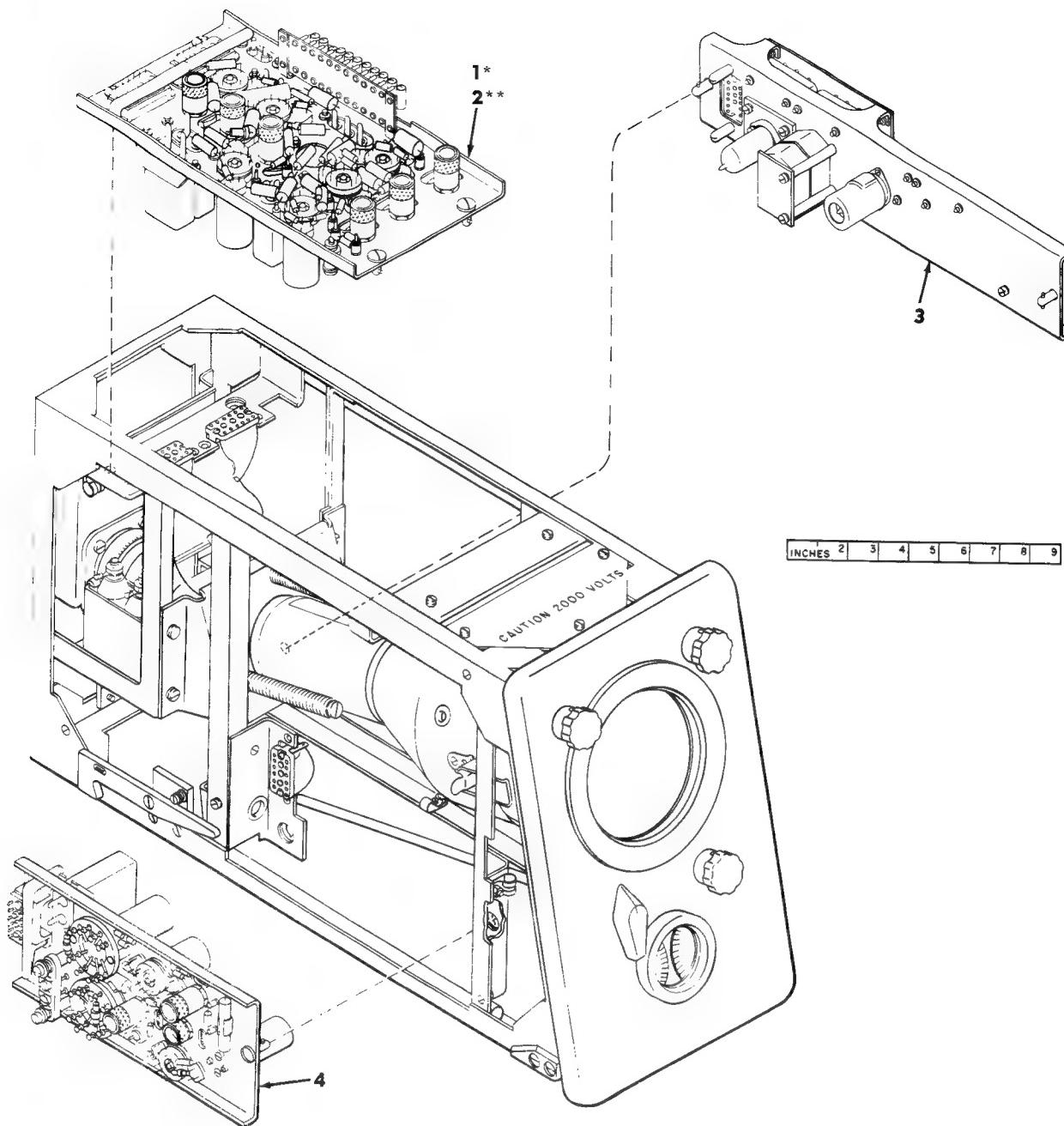
Figure 277. Generator (9139336)—partial exploded view



ORD G78681

1 ELECTRON TUBE SADP1

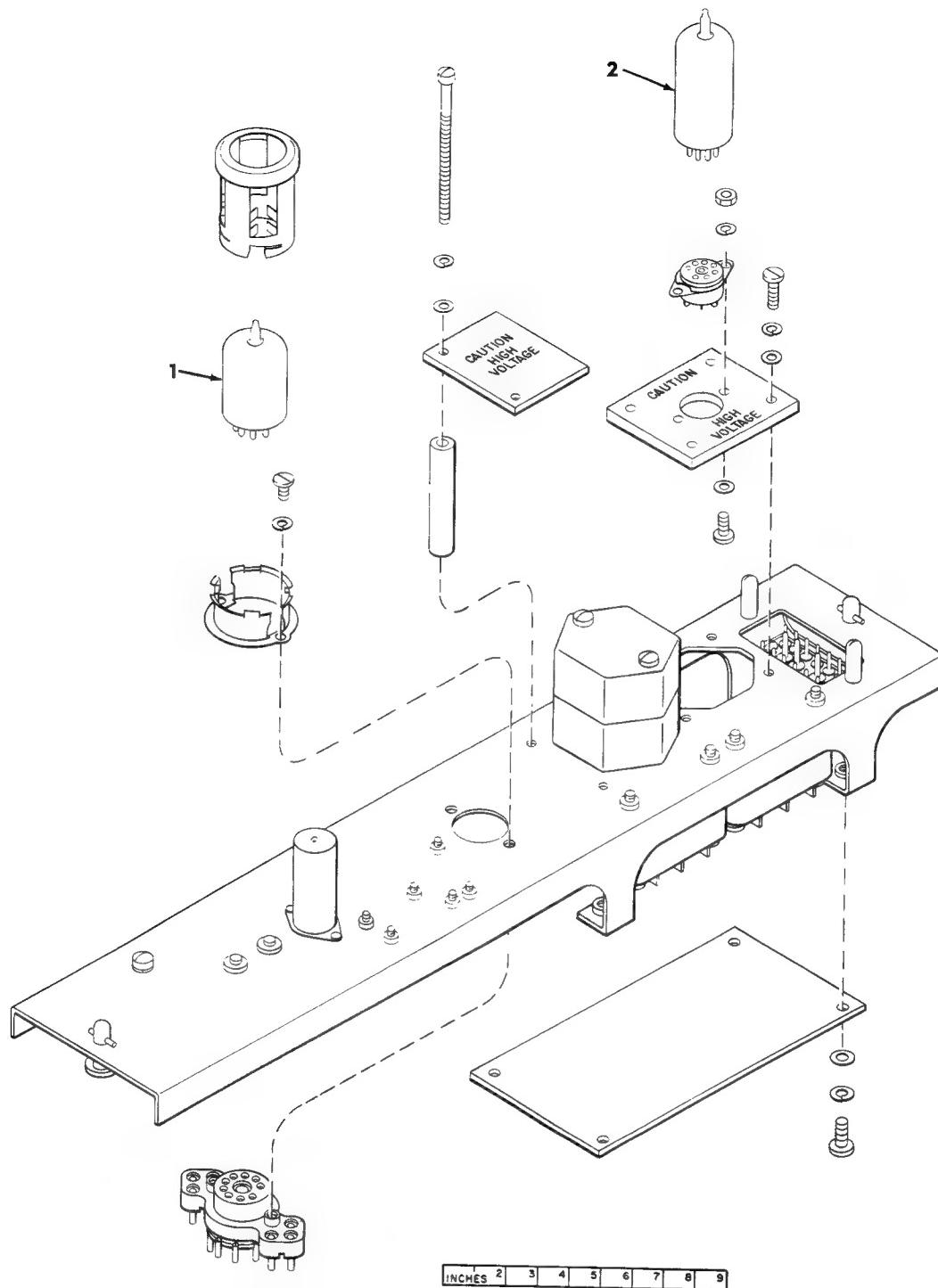
Figure 280. Indicator, azimuth and indicator, elevation (9143731 and 9143732)—
partial exploded view



ORD G78680

1 GENERATOR 9998462	* FOR INDICATOR 9143731
2 GENERATOR 9143848	** FOR INDICATOR 9143732
3 AMPLIFIER 9156311	
4 AMPLIFIER 9136917	

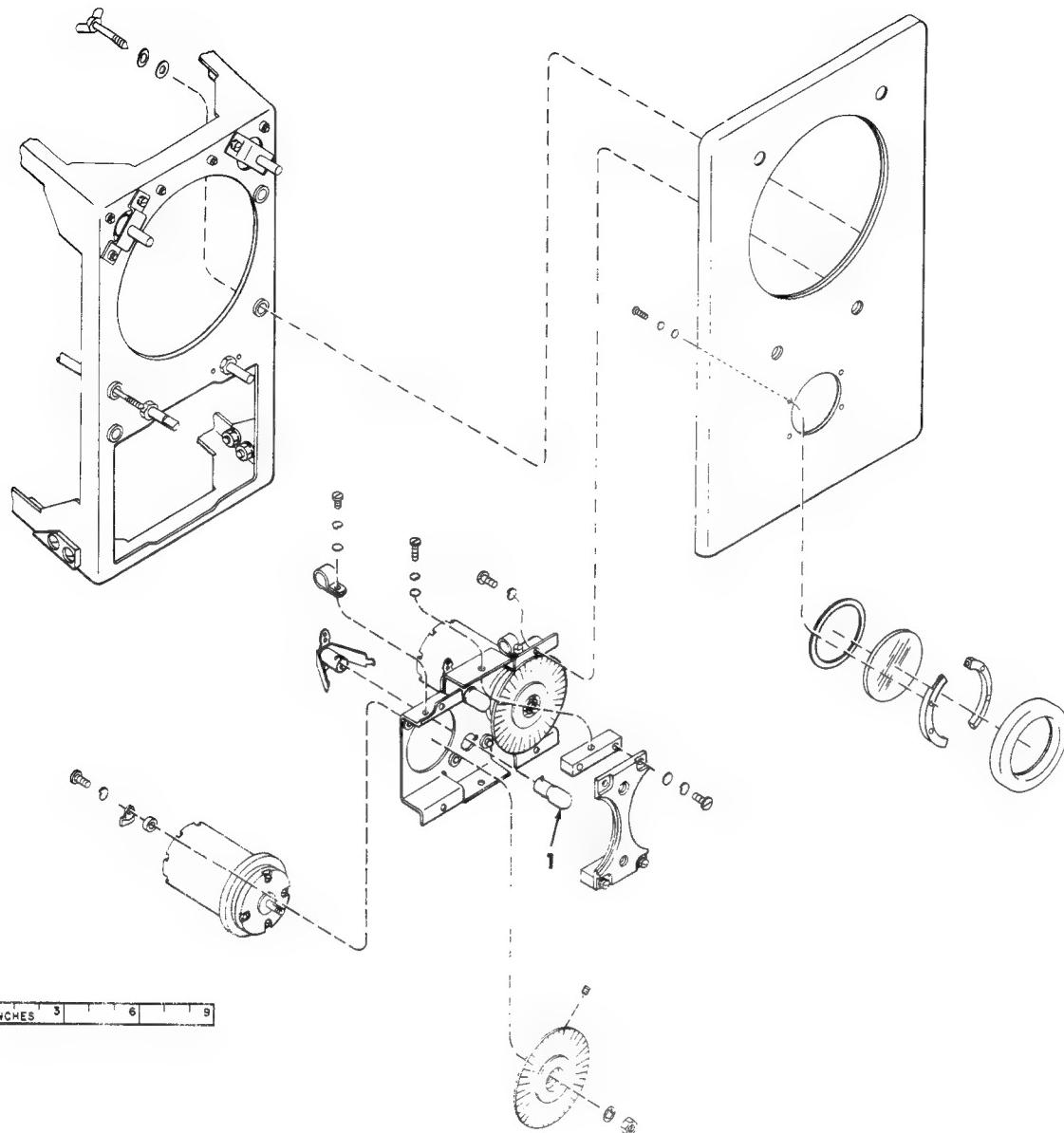
Figure 279. Indicator, azimuth and indicator, elevation (9143731 and 9143732)—
partial exploded view



ORD G284340

1 ELECTRON TUBE 5670
 2 ELECTRON TUBE 5726/6AL5W

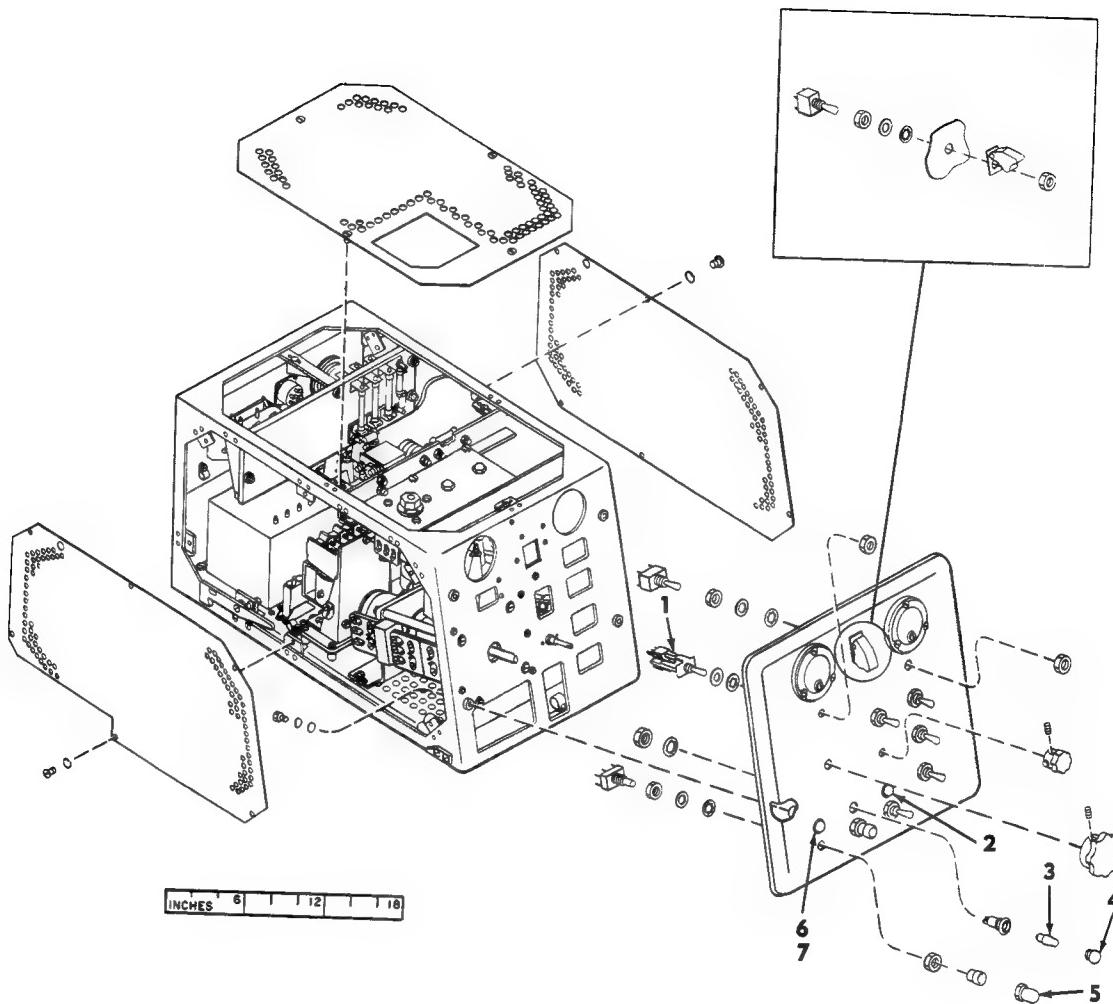
Figure 282. Amplifier, electronic control (9156311)—partial exploded view



ORD G284339

1 LAMP MS-15571-2

Figure 281. Indicator, azimuth and indicator, elevation (9143731 and 9143732)—
partial exploded view

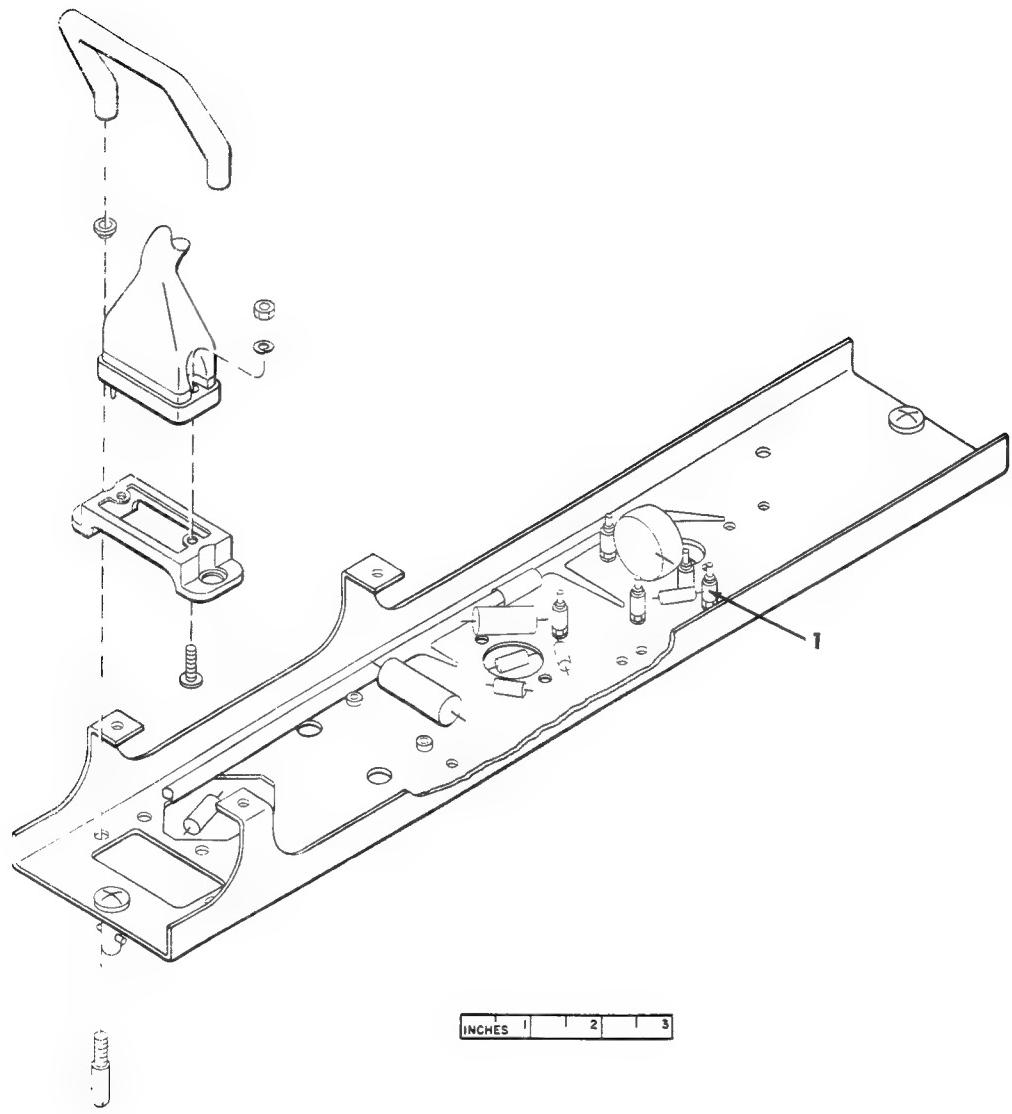


ORD G284341

1	SWITCH	8175304
2	LENS	7600003
3	LAMP	7605718
4	LENS	8328096

5	BOOT	9017174
6	LAMP	MS-25231-1819
7	LENS	8175032

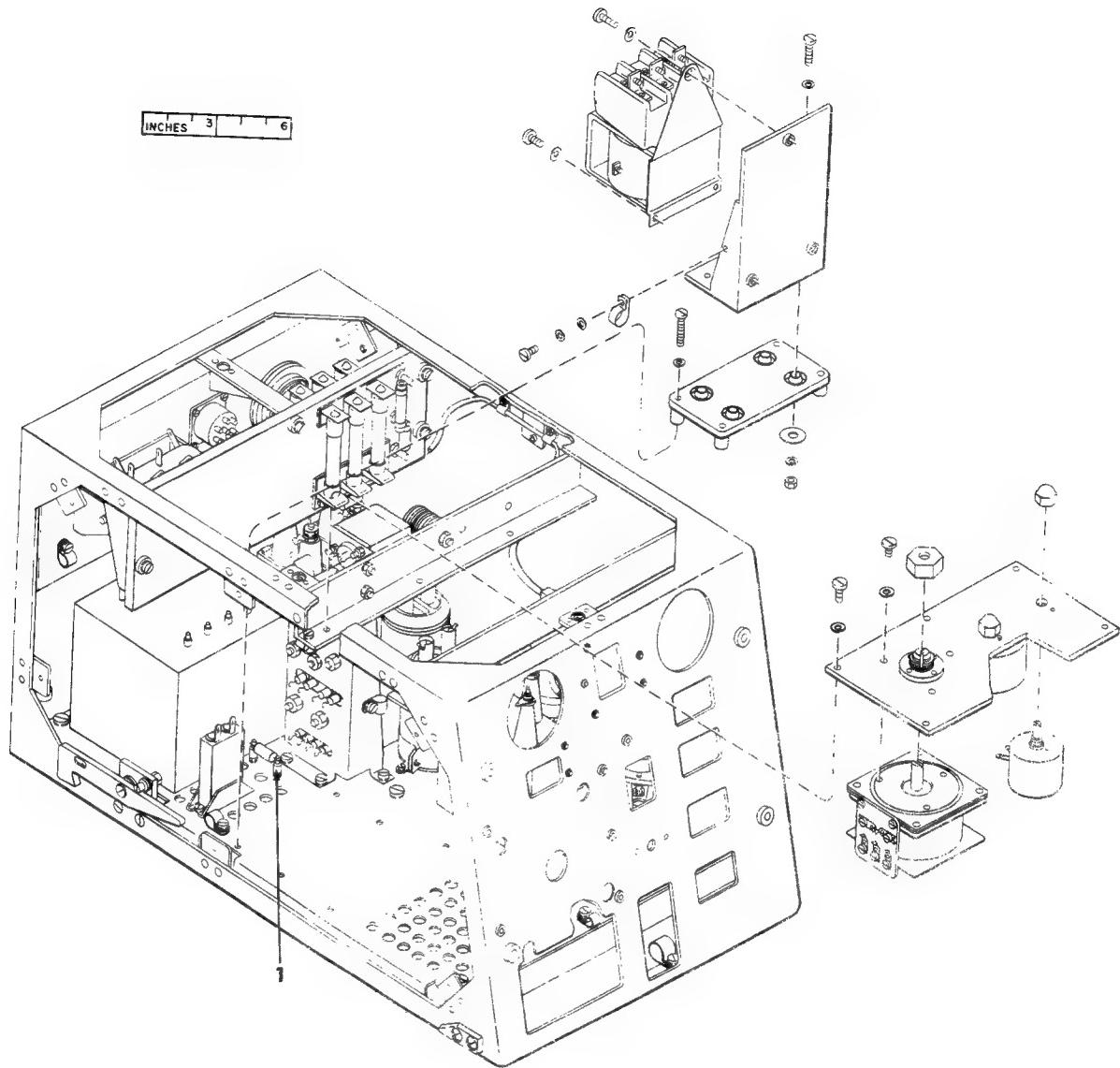
Figure 284. Control-power supply (9988701) - partial exploded view



ORD G260068

1 TERMINAL 7598949

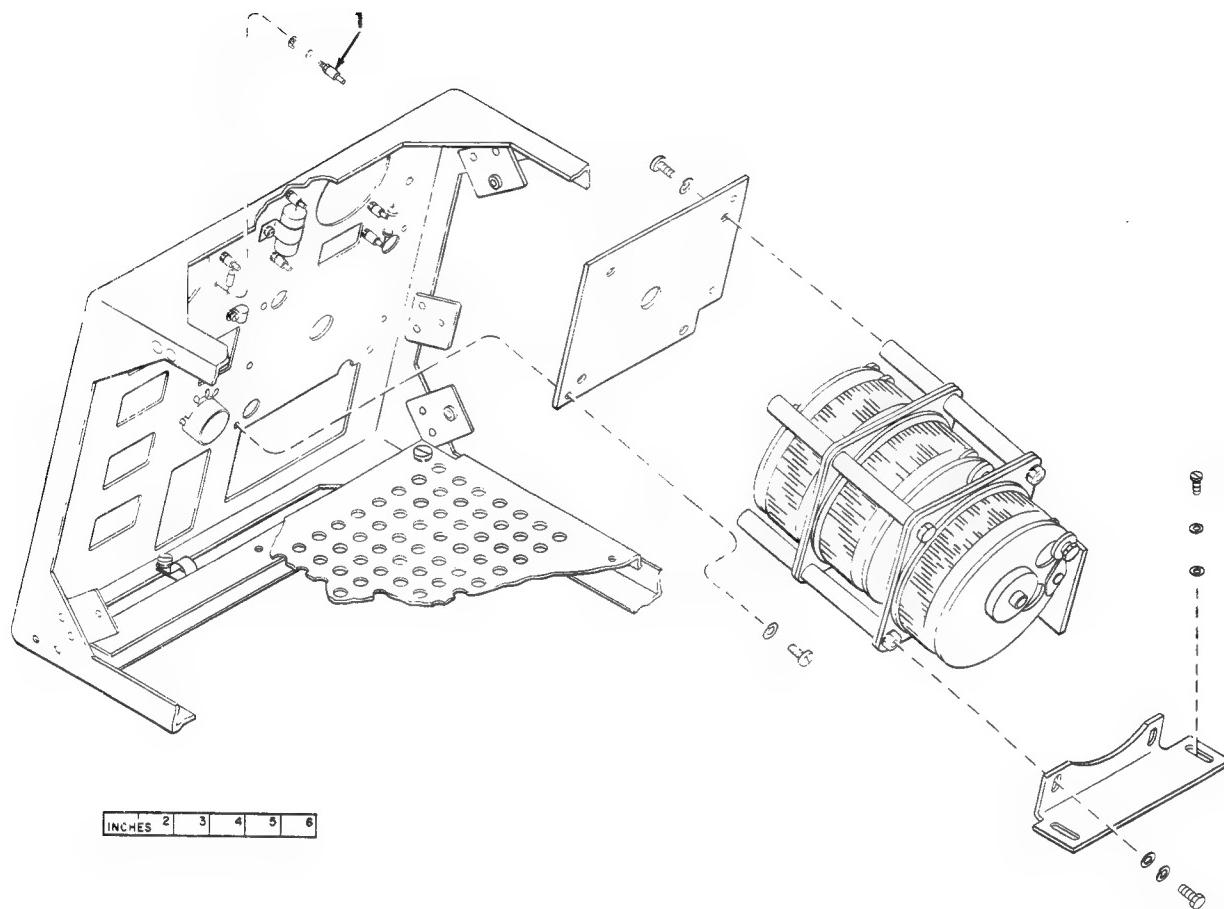
Figure 283. Amplifier, electronic control (9156311)—partial exploded view



ORD G284343

1 TERMINAL 7598949

Figure 286. Control-power supply (998S701)—partial exploded view



ORD G284342

1 TERMINAL 7598949

Figure 285. Control-power supply (9988701) - partial exploded view

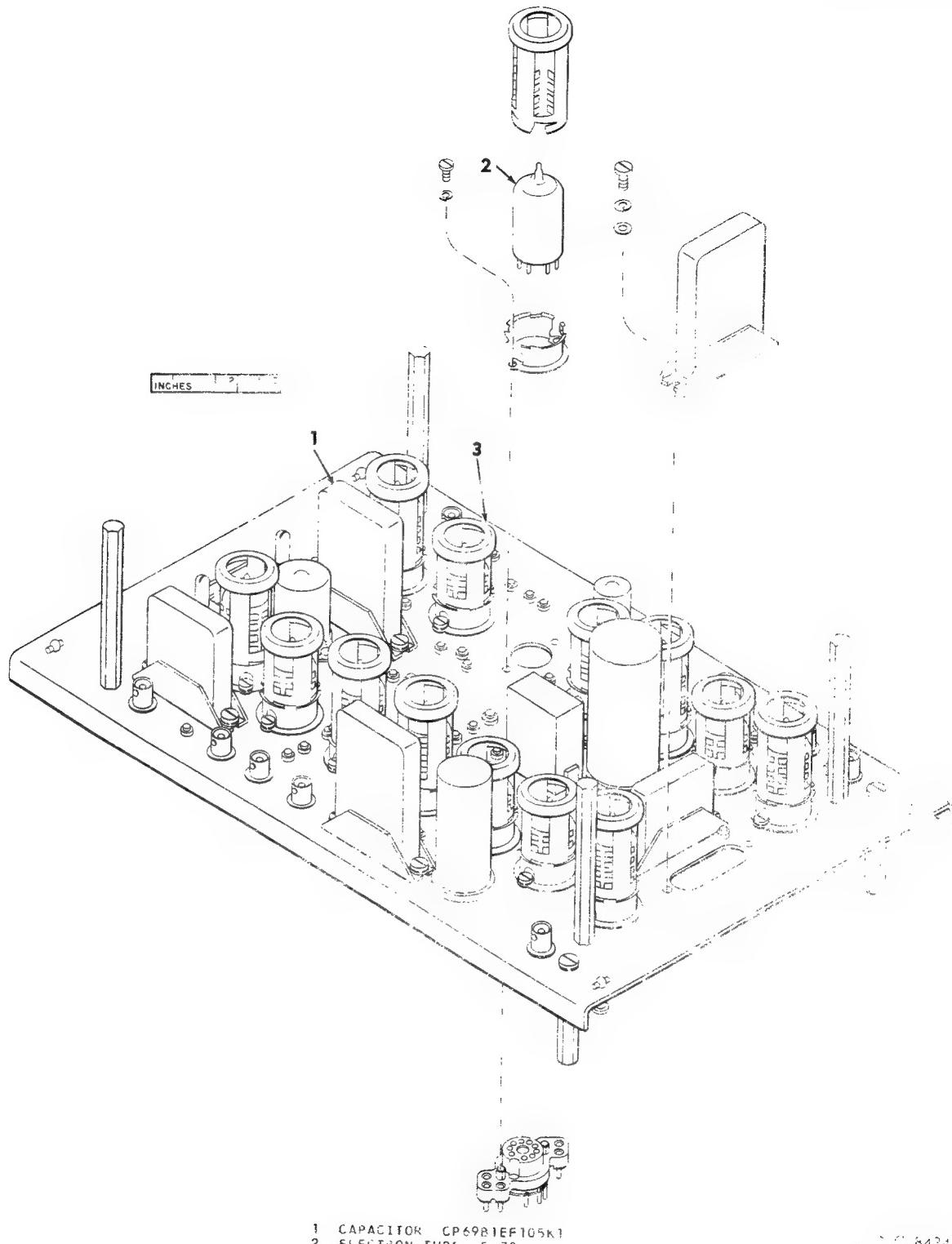
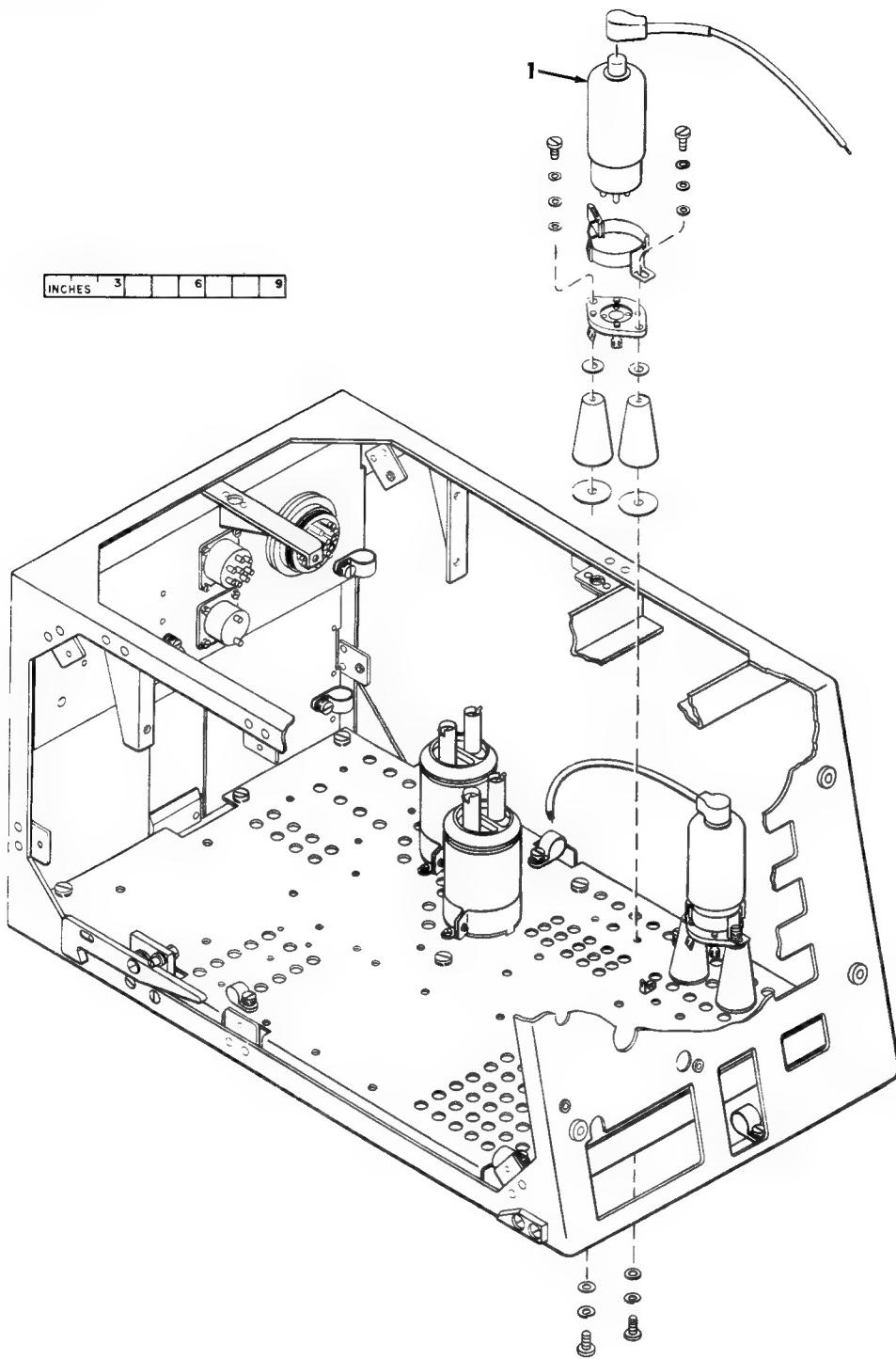


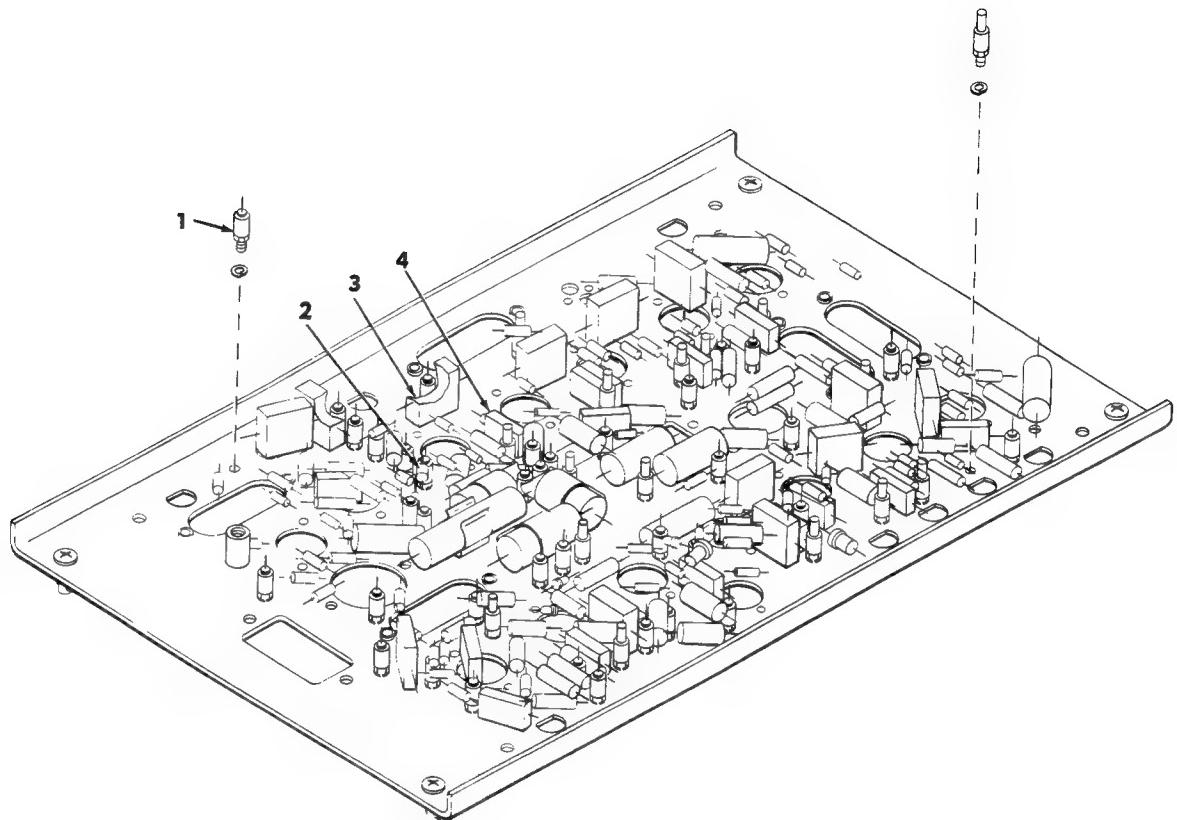
Figure 285. Amplifier, trigger pulse-video (9986339) - partial exploded view



ORD G284344

1 ELECTRON TUBE 3824WA

Figure 287. Control-power supply (9988701) - partial exploded view

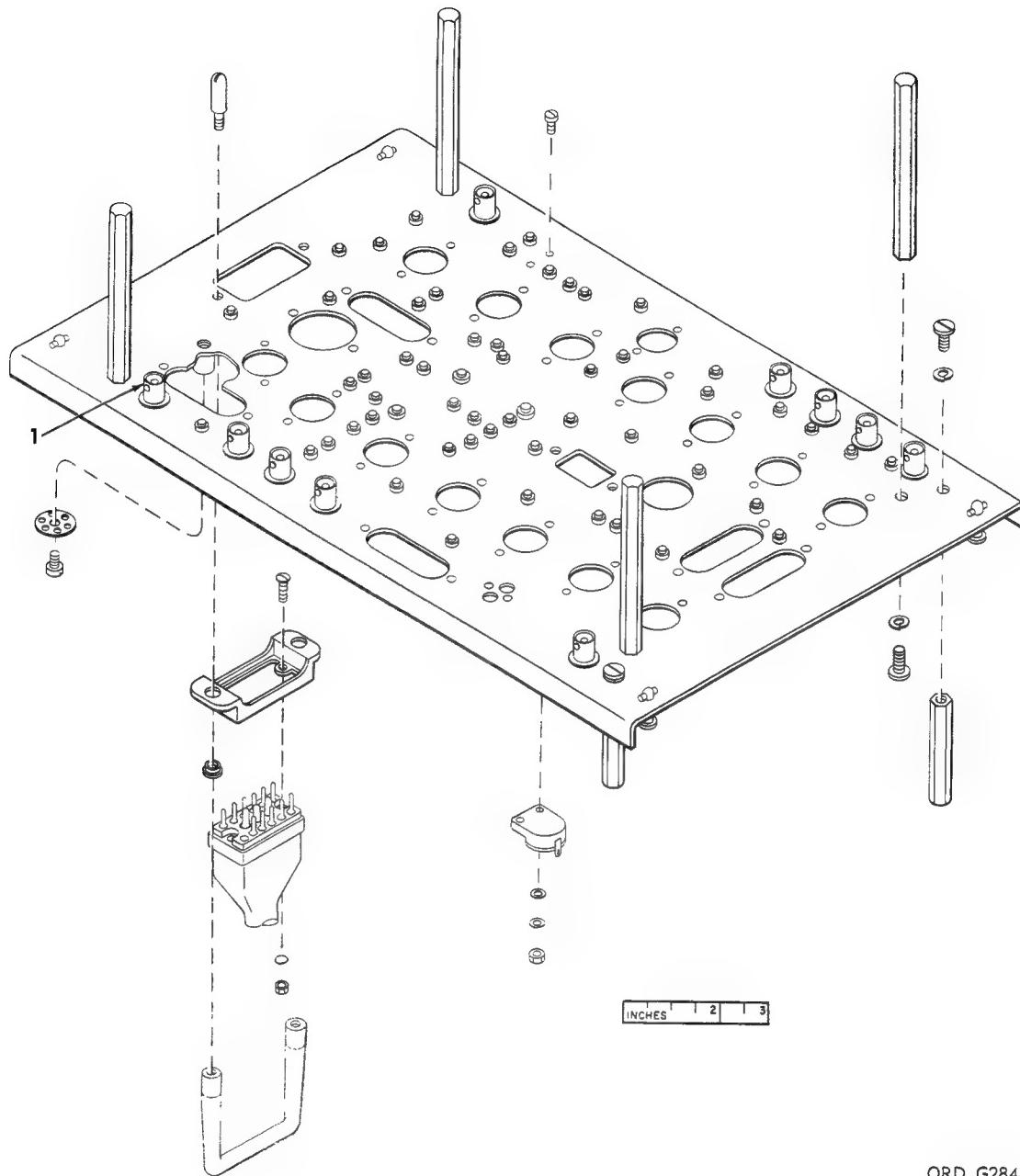


INCHES	1	2	3
--------	---	---	---

ORD G284347

- 1 TERMINAL 7598949
- 2 SEMICONDUCTOR DEVICE
IN198
- 3 CAPACITOR CM35E103J
- 4 CAPACITOR CM20C820JP3

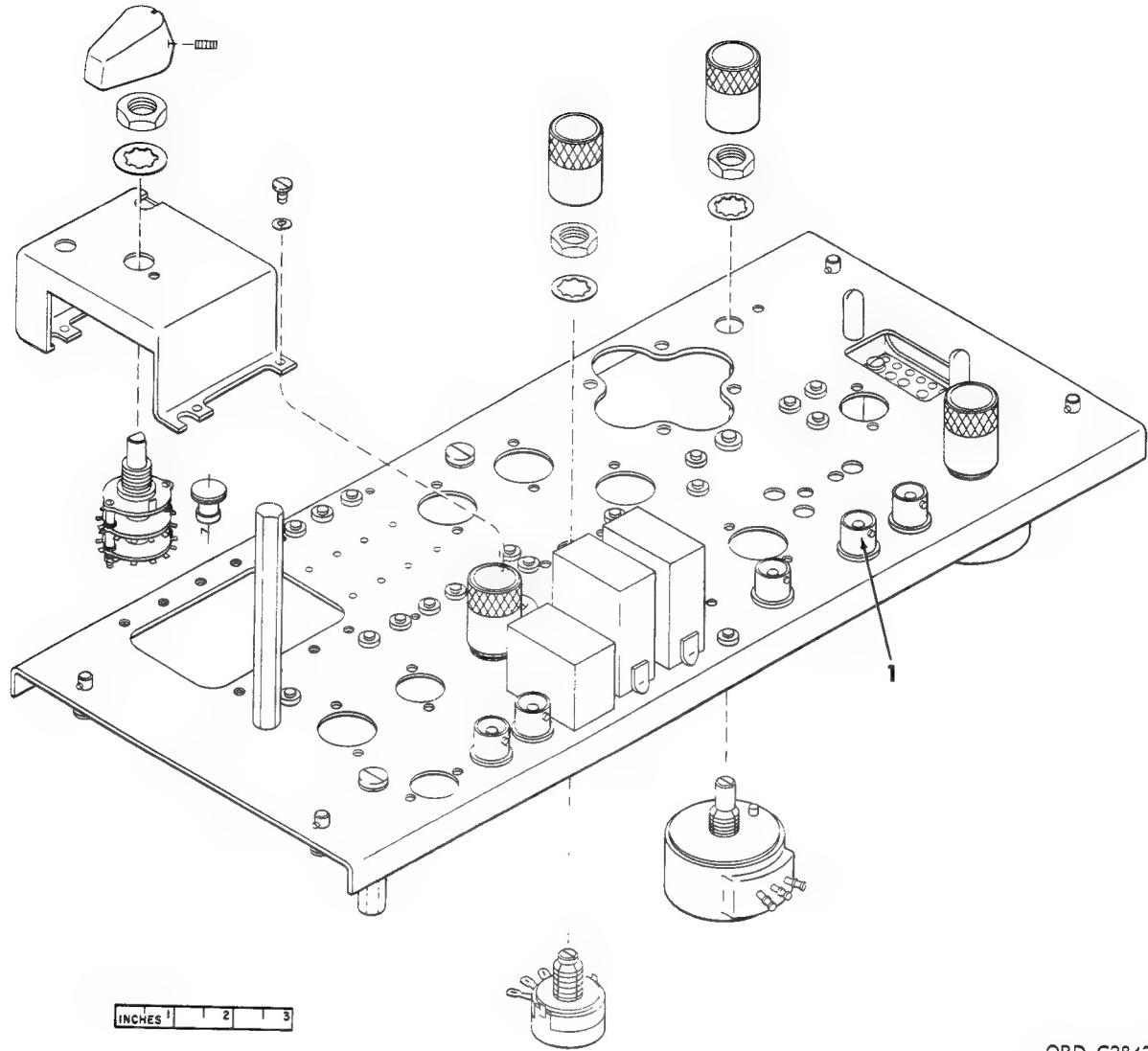
Figure 290. Amplifier, trigger pulse-video (9986339)—partial exploded view



ORD G284346

1 CONNECTOR MS-27035-6/5B

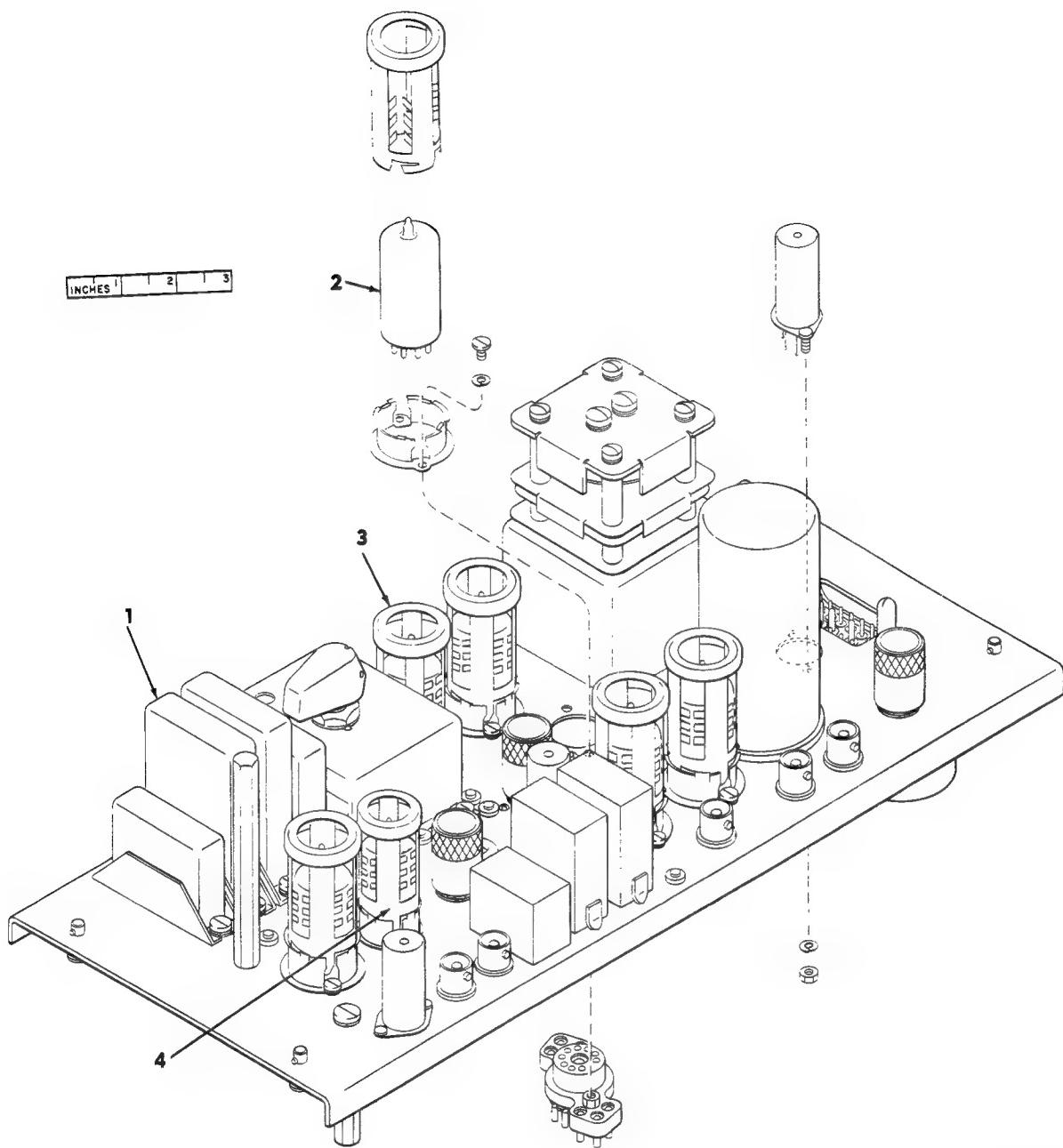
Figure 289. Amplifier, trigger pulse-video (9986339) - partial exploded view



ORD G284349

1 CONNECTOR MS-27035-625B

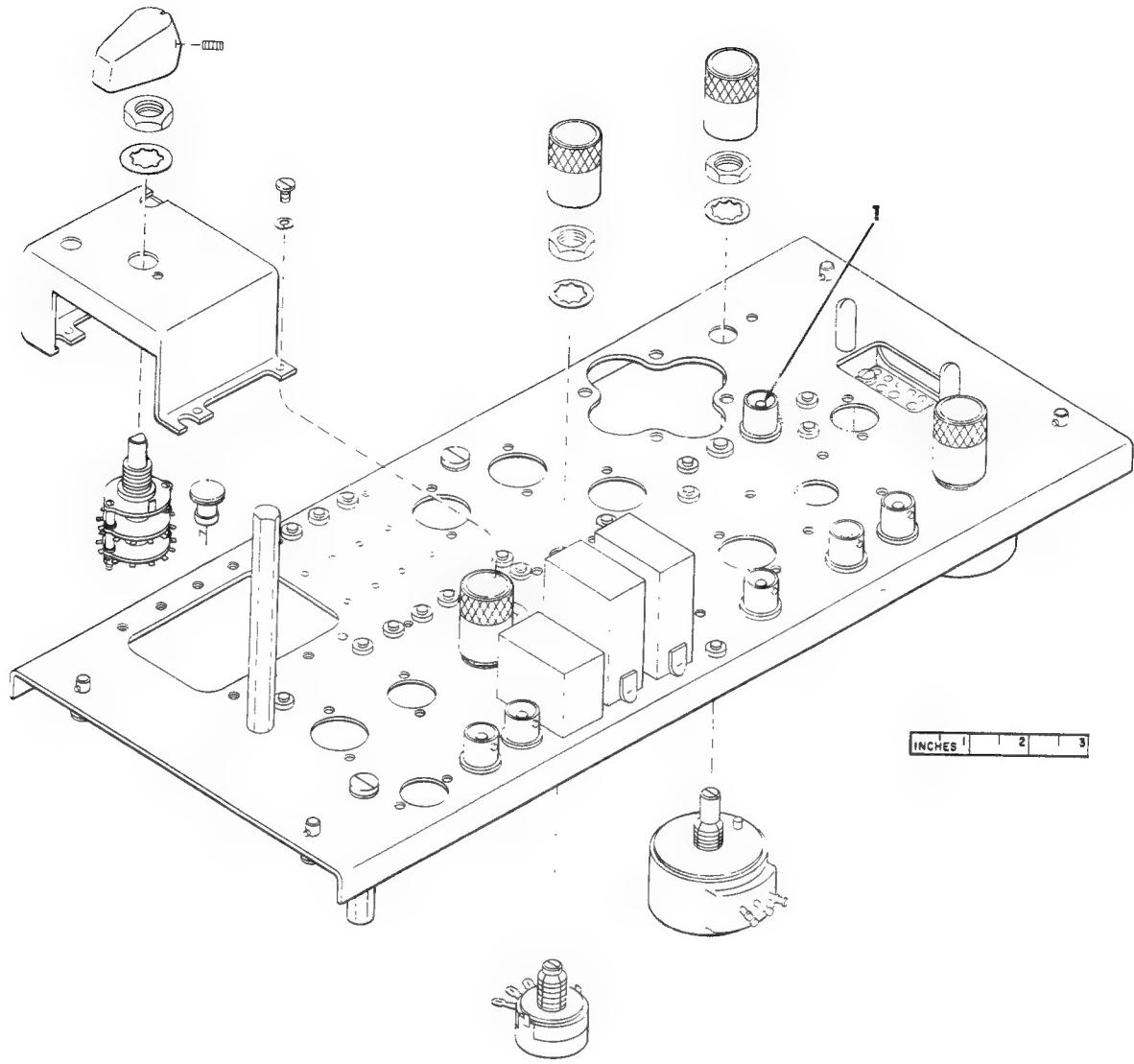
Figure 292. Synchronizer, electrical (9144786) - partial exploded view



ORD G284348

- 1 CAPACITOR CP69B1EF105K1
- 2 ELECTRON TUBE 5687WA
- 3 ELECTRON TUBE 5814A
- 4 ELECTRON TUBE 6AU6WB

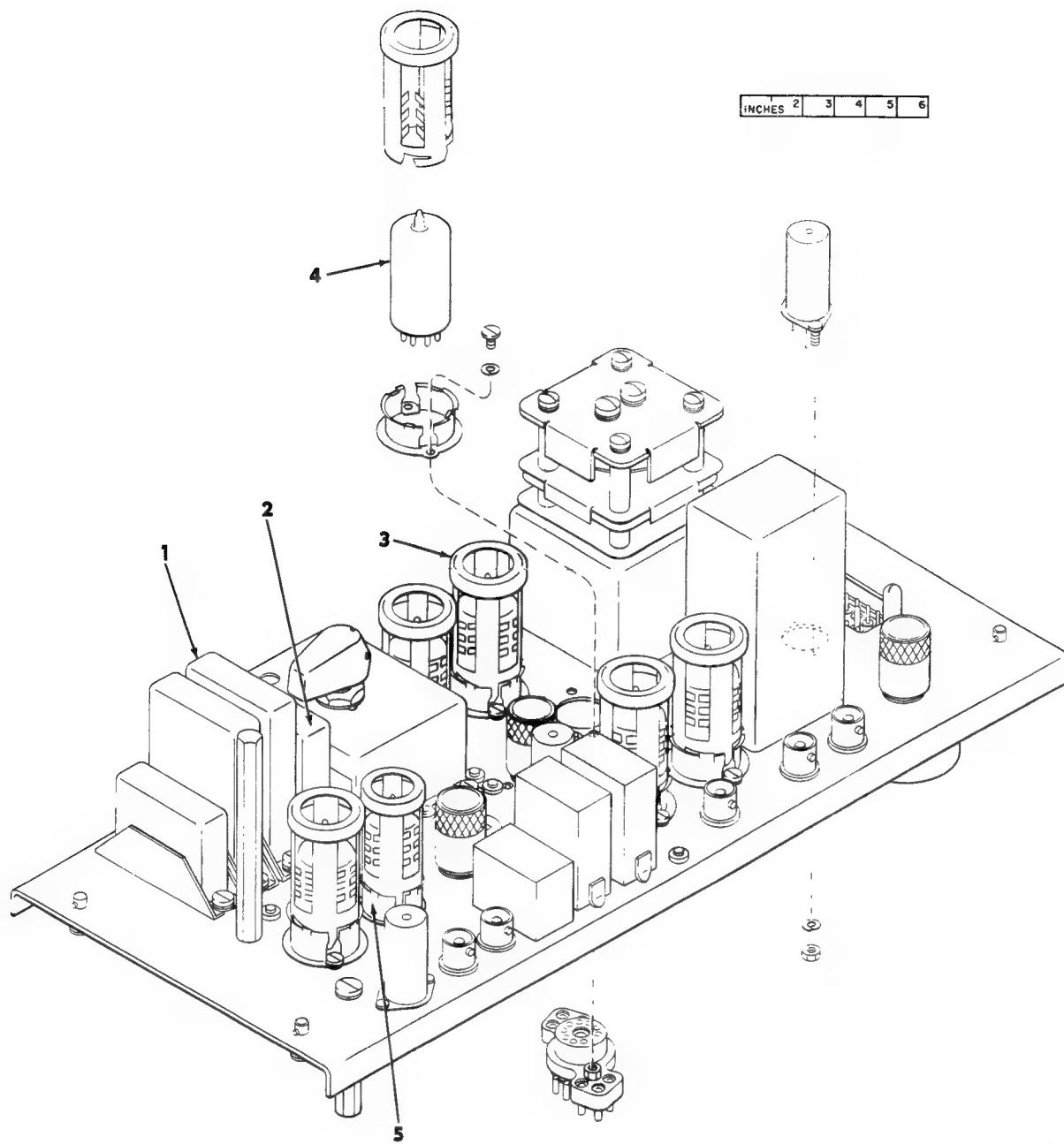
Figure 291. Synchronizer, electrical (9144786)—partial exploded view



ORD G284351

1 CONNECTOR MS-27035-625B

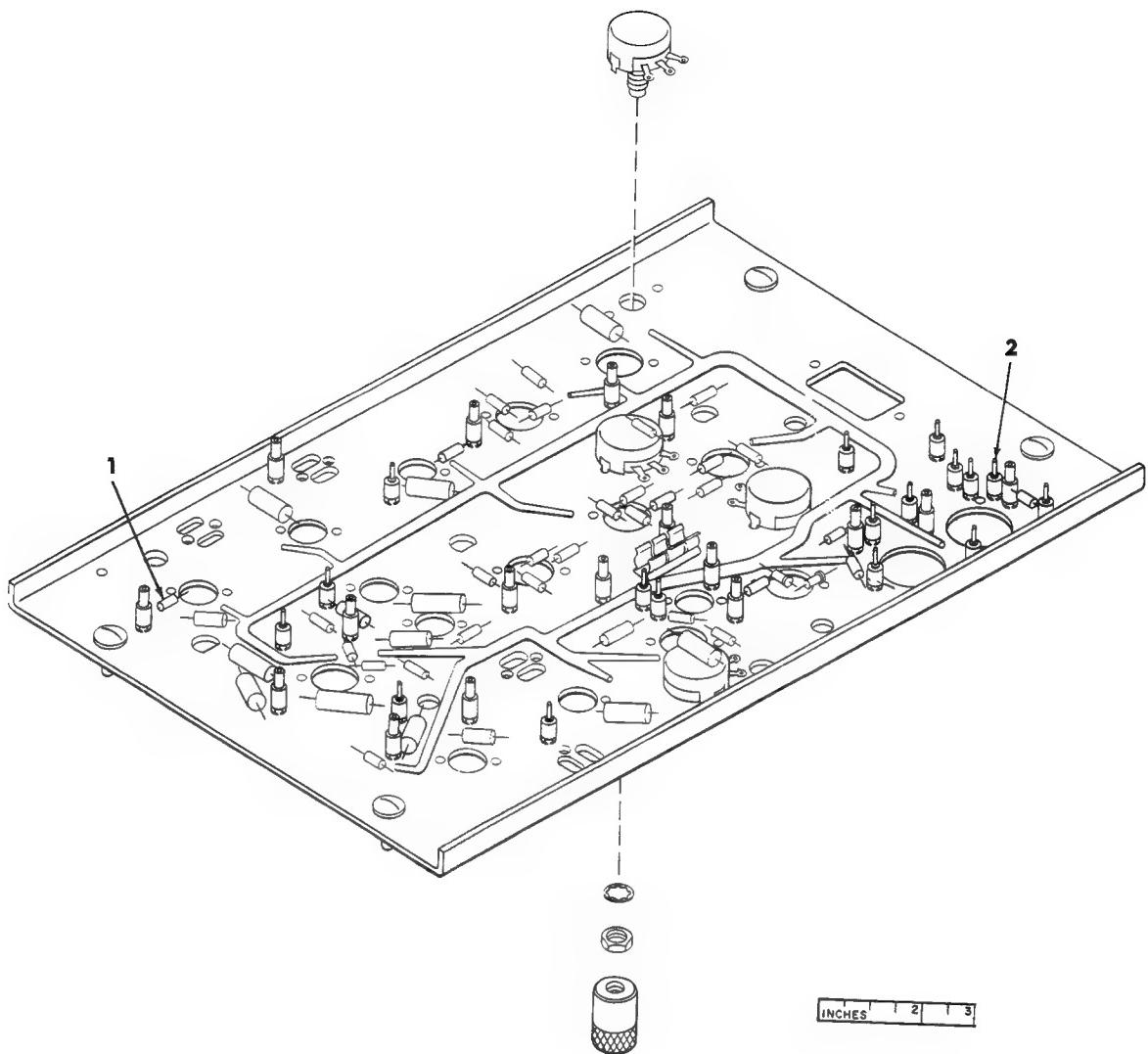
Figure 294. Synchronizer, electrical (9989392)—partial exploded view



ORD G284350

- 1 CAPACITOR CP69B1EF105K1
- 2 CAPACITOR CP69B4EF254V1
- 3 ELECTRON TUBE 5814A
- 4 ELECTRON TUBE 5687WA
- 5 ELECTRON TUBE 6AU6WB

Figure 293. Synchronizer, electrical (9989392)—partial exploded view

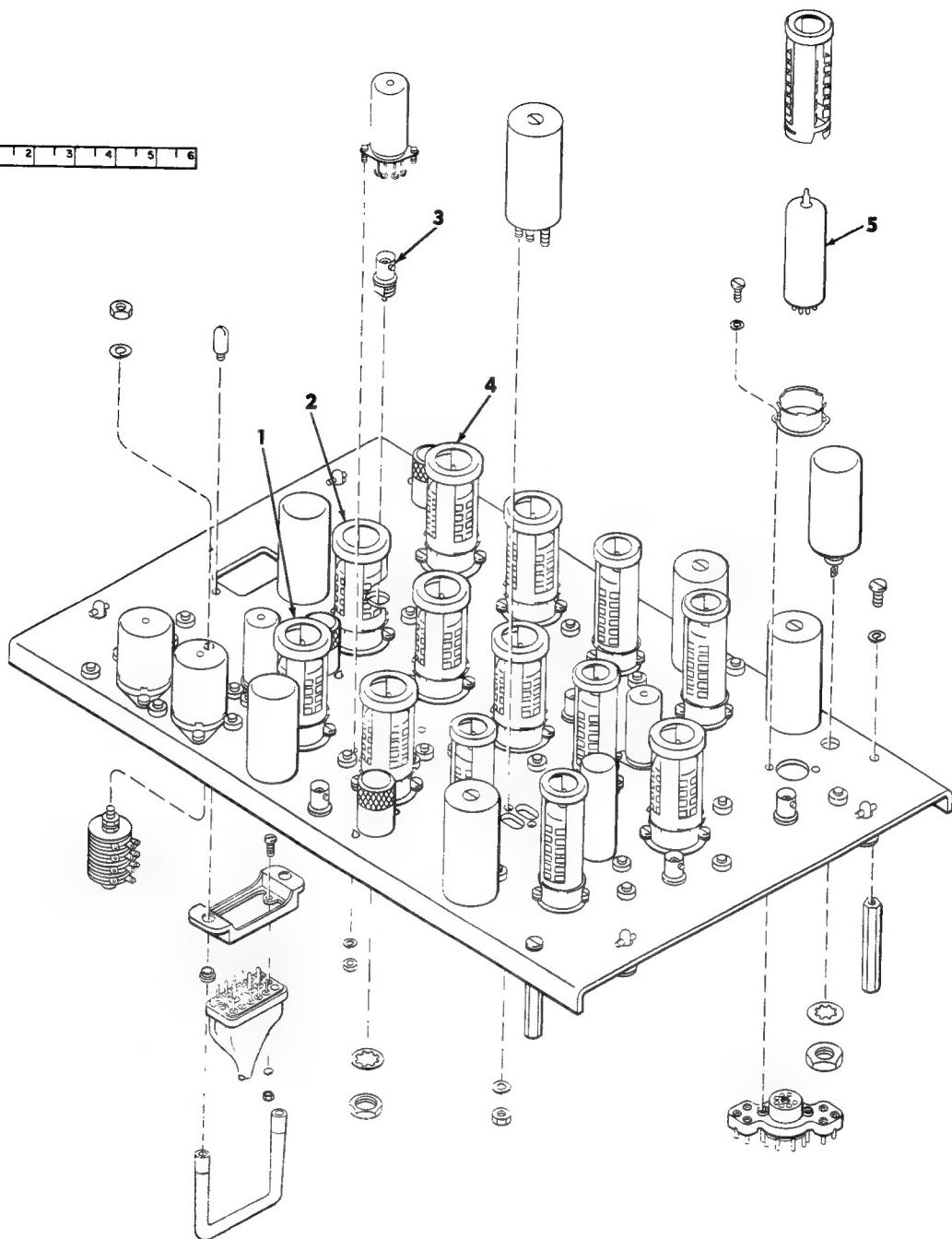


ORD G284353

- 1 SEMICONDUCTOR DEVICE
IN198
2 TERMINAL 7598949

Figure 296. Generator, pulse (9144785) - partial exploded view

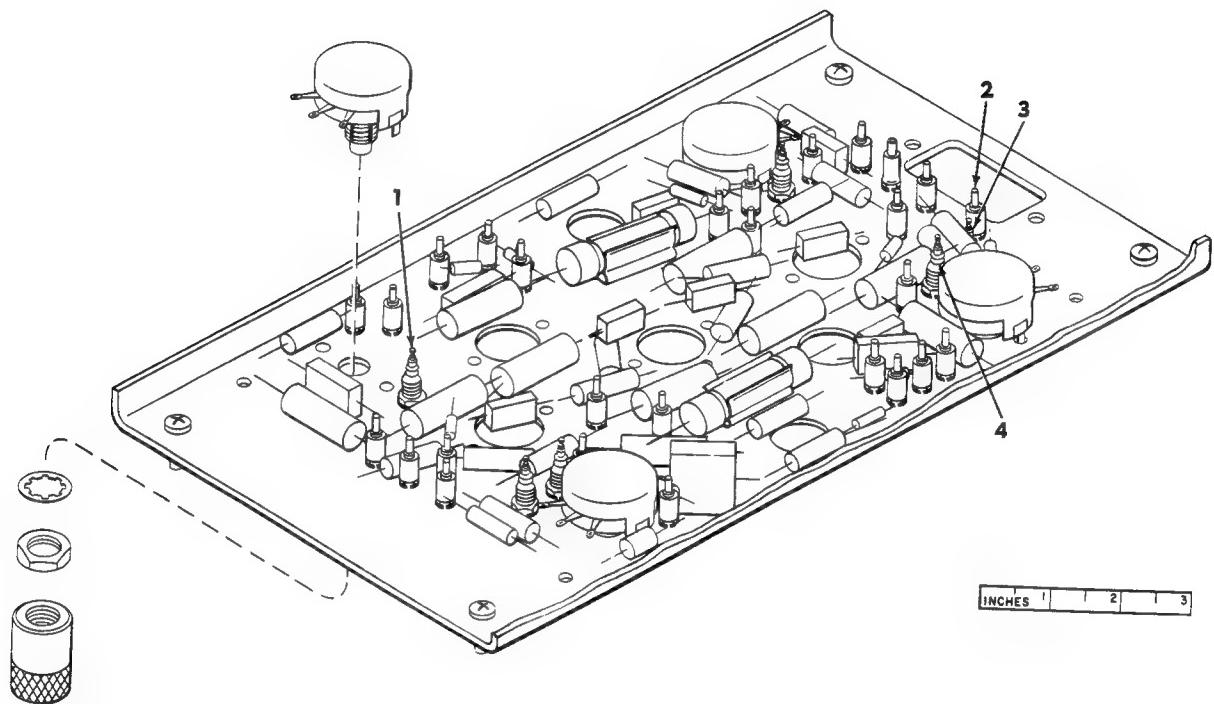
INCHES 1 2 3 4 5 6



ORD G284352

- 1 ELECTRON TUBE 12AT7WA
- 2 ELECTRON TUBE 5814A
- 3 CONNECTOR MS-27035-625B
- 4 ELECTRON TUBE 5687WA
- 5 ELECTRON TUBE 6005/6AQ5W

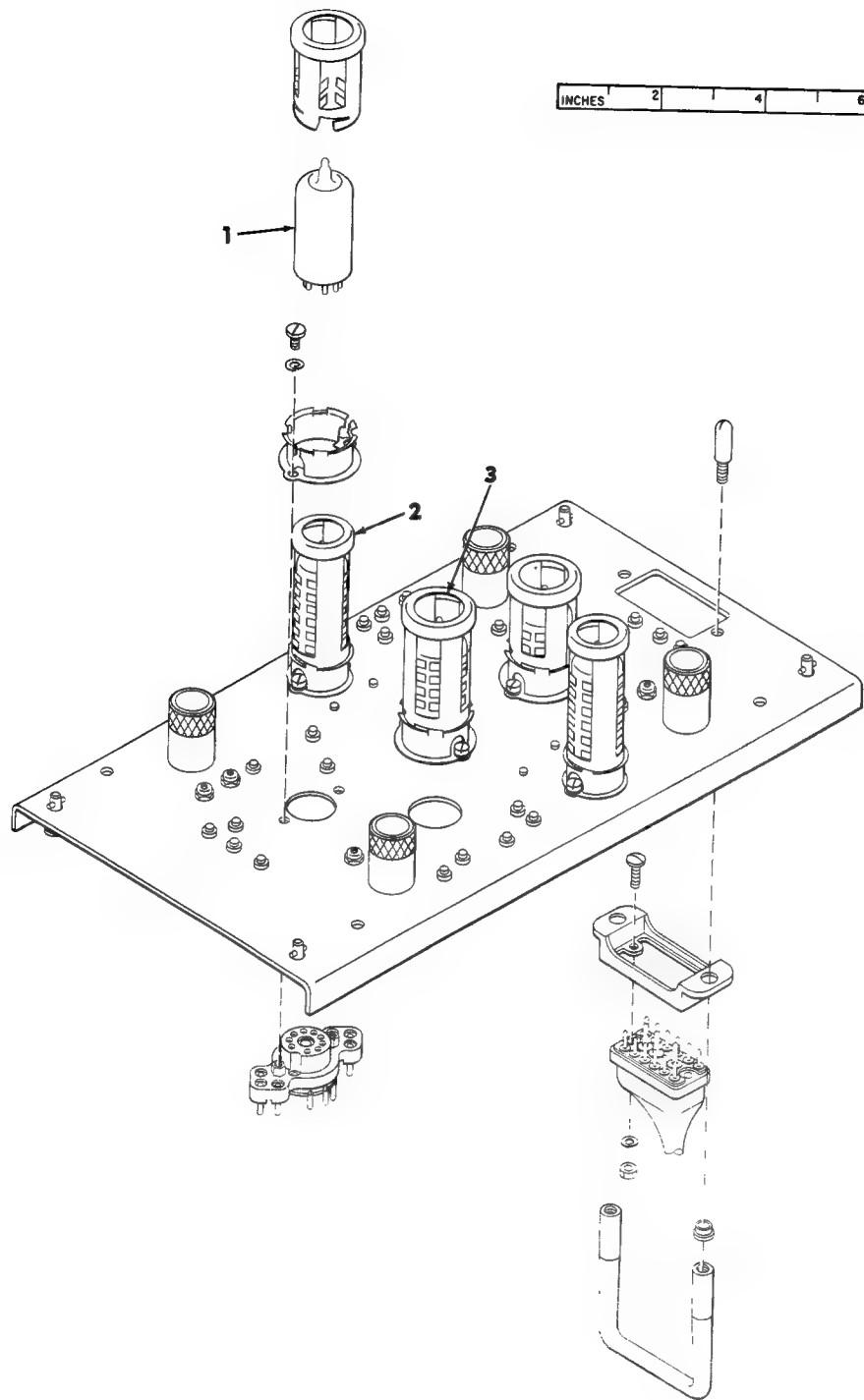
Figure 295. Generator, pulse (9144785) - partial exploded view



ORD G284355

- 1 JACK 8175216
- 2 TERMINAL 7598949
- 3 JACK 8175017
- 4 JACK 8134425

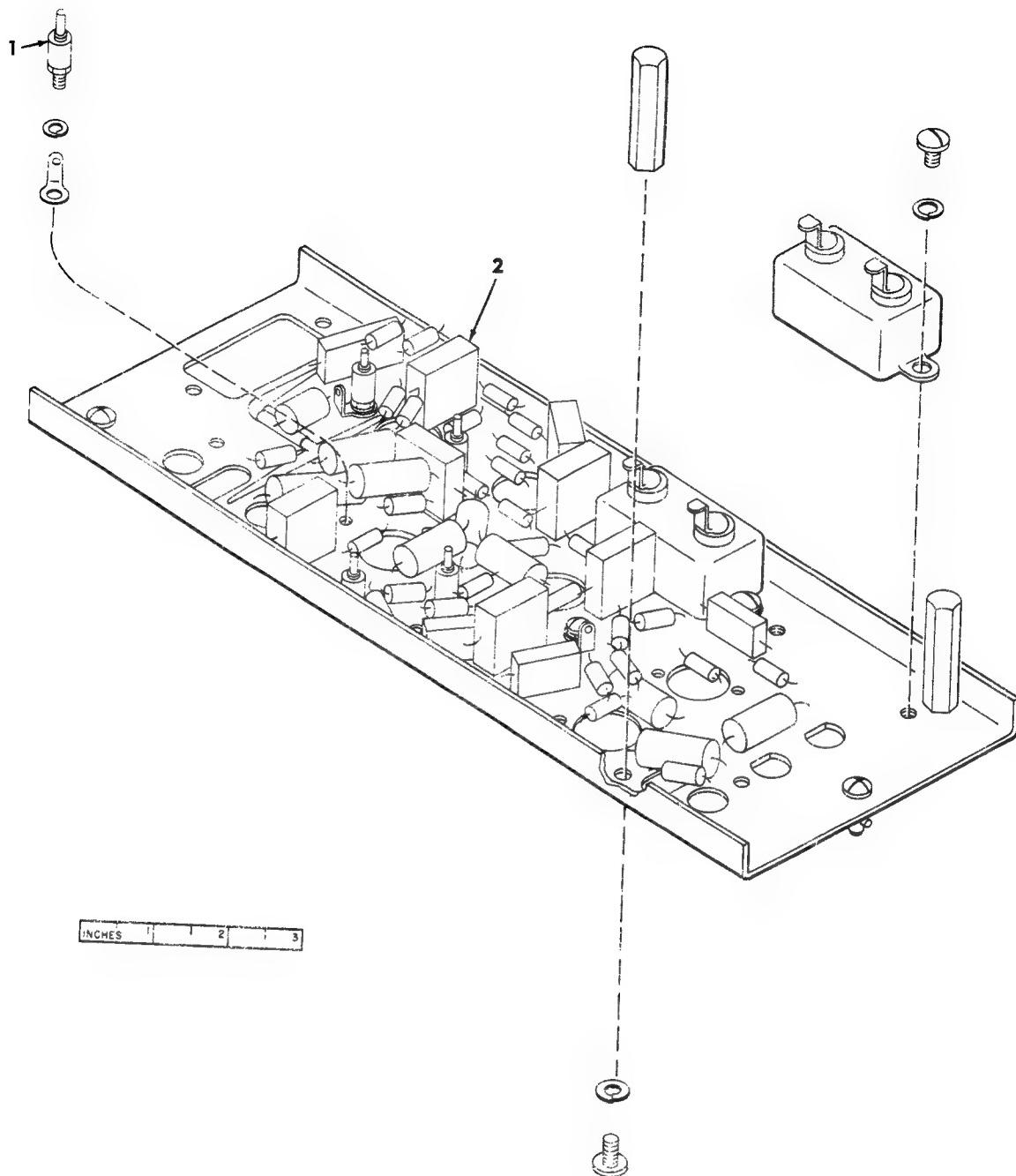
Figure 298. Amplifier, direct current (9145772)—partial exploded view



ORD G284354

- 1 ELECTRON TUBE 5755
- 2 ELECTRON TUBE 0B2WA
- 3 ELECTRON TUBE 5687WA

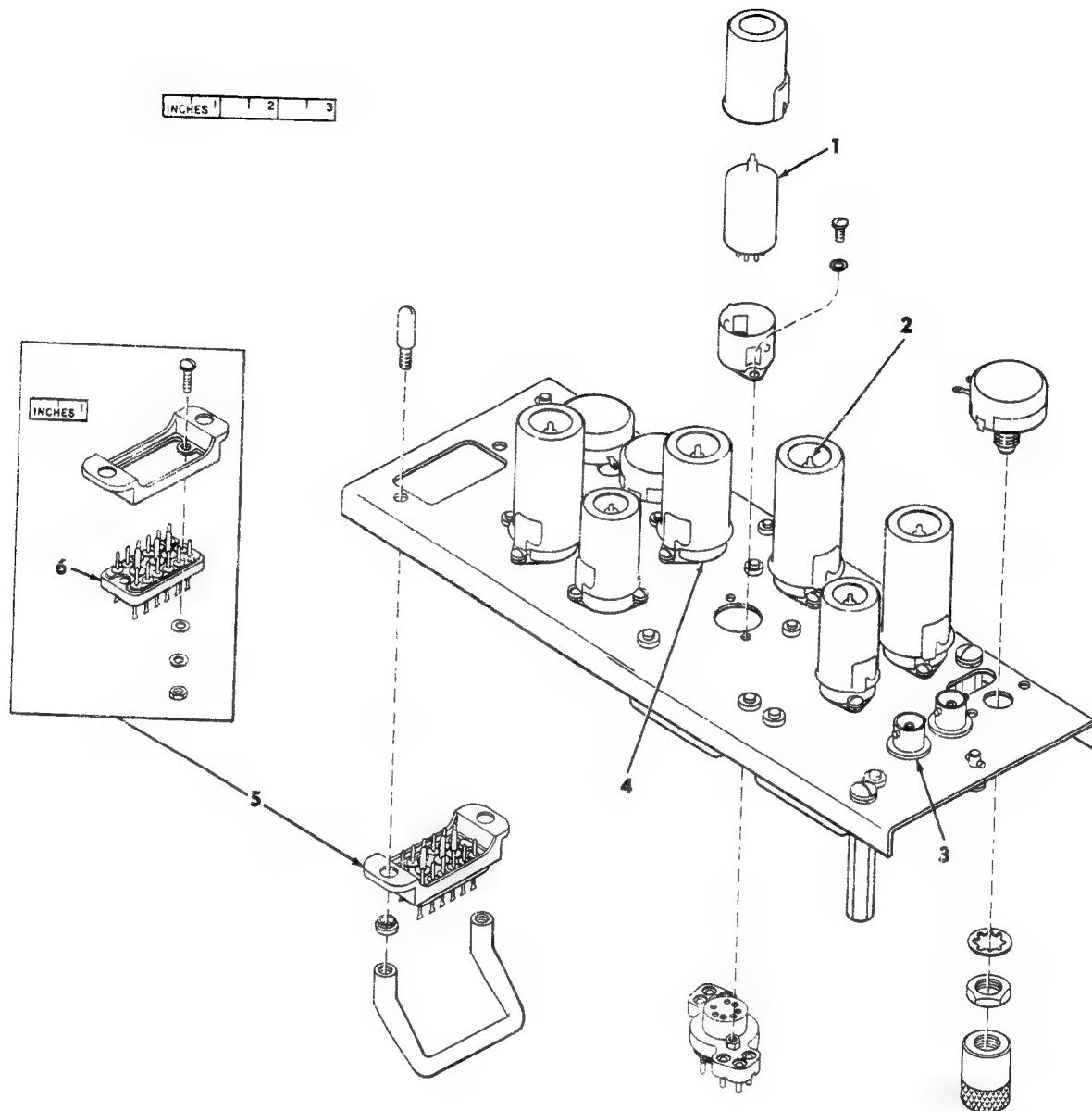
Figure 297. Amplifier, direct current (9145772) – partial exploded view



1 TERMINAL 7598949
2 CAPACITOR CM35E103J

ORD G284357

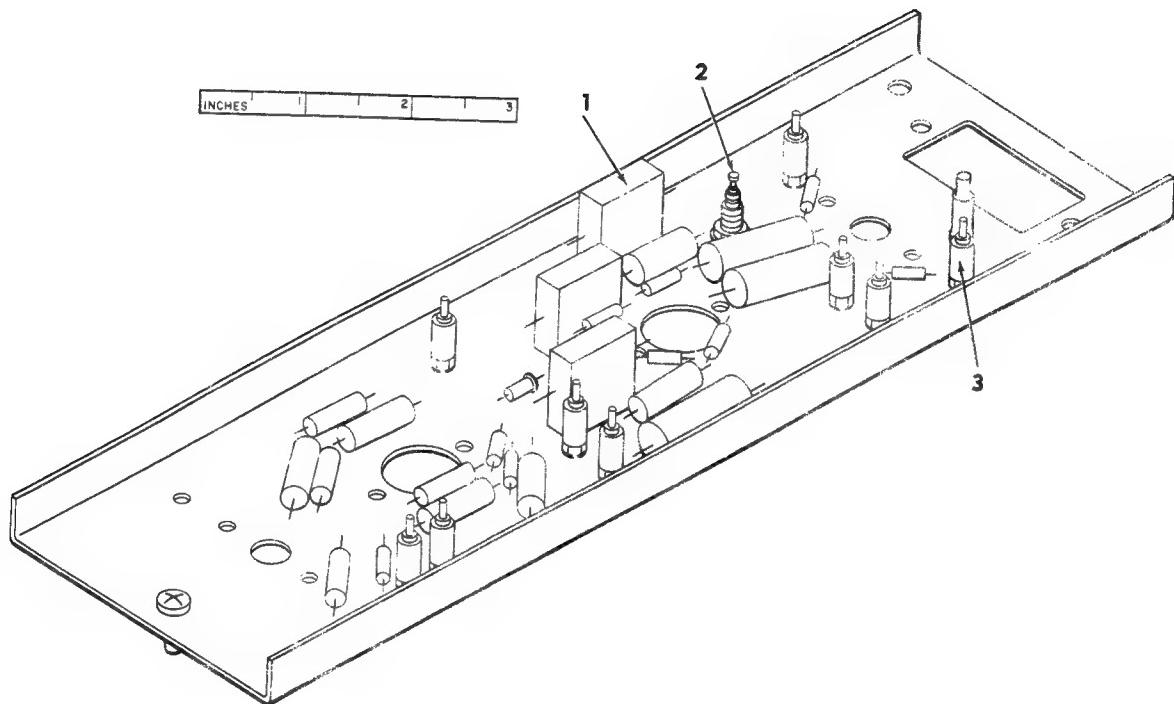
Figure 300. Generator, pulse (9007682) - partial exploded view



ORD G284356

- 1 ELECTRON TUBE 5726/6AL5W
- 2 ELECTRON TUBE 5814A
- 3 CONNECTOR MS-27035-6258
- 4 ELECTRON TUBE 5670
- 5 CONNECTOR 7598051
- 6 CONNECTOR 7598934

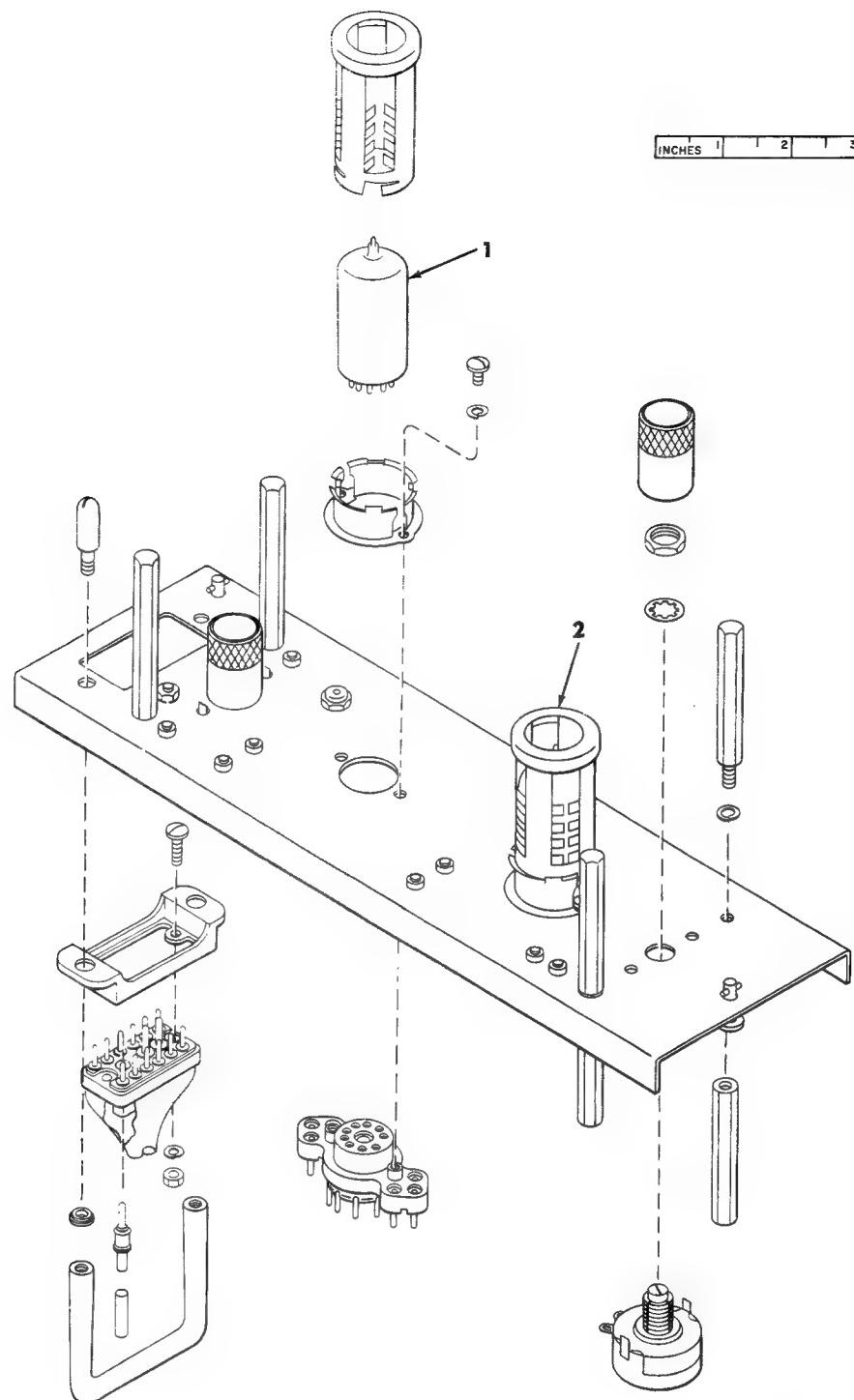
Figure 299. Generator, pulse (9007682)—partial exploded view



170-6134259

- 1 CAPACITOR CM55E103J
- 2 JACK 8175017
- 3 TERMINAL 7598949

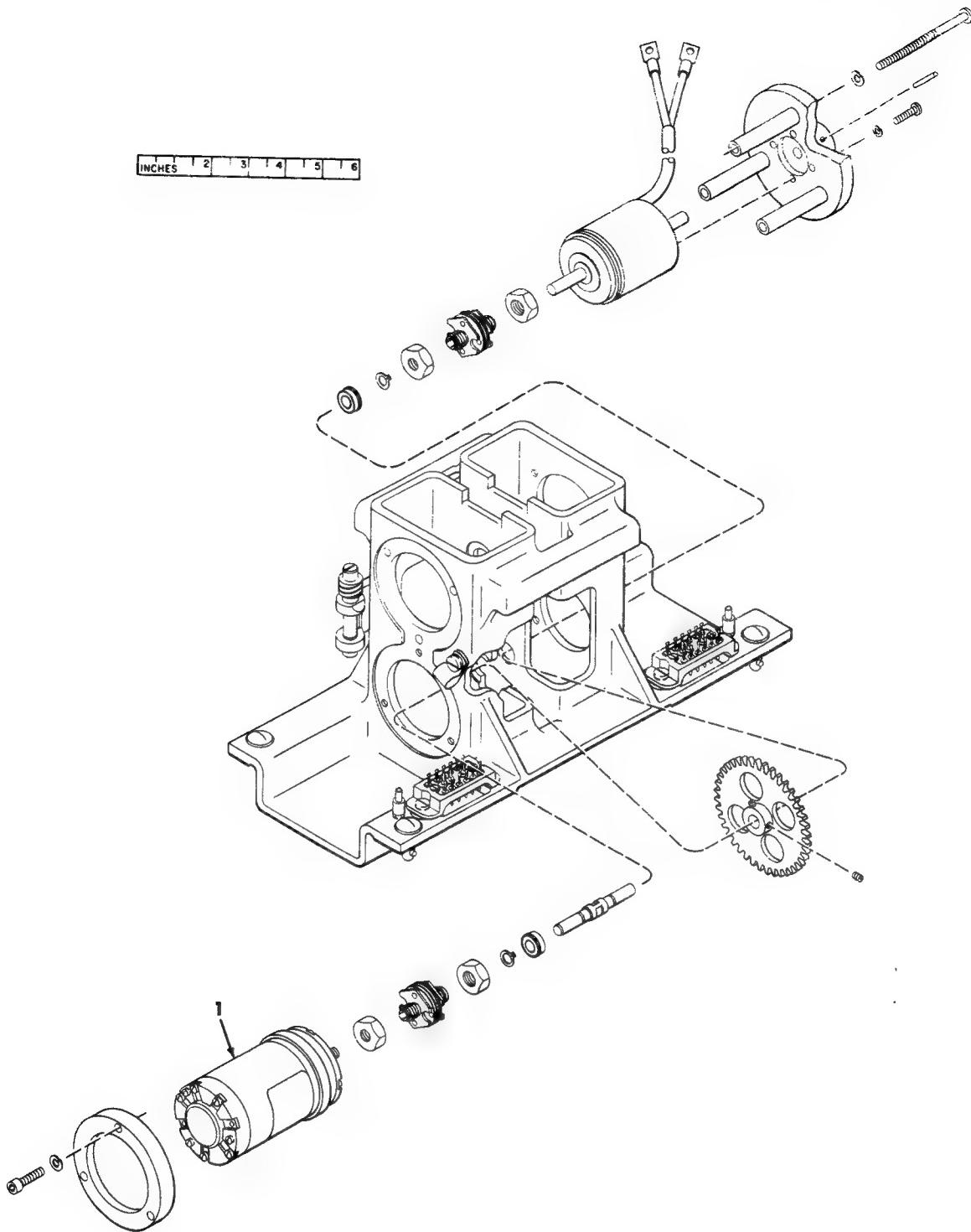
Figure 302. Generator, pulse (91-45780)—partial exploded view



1 ELECTRON TUBE 5814A
2 ELECTRON TUBE 5751

ORD G284358

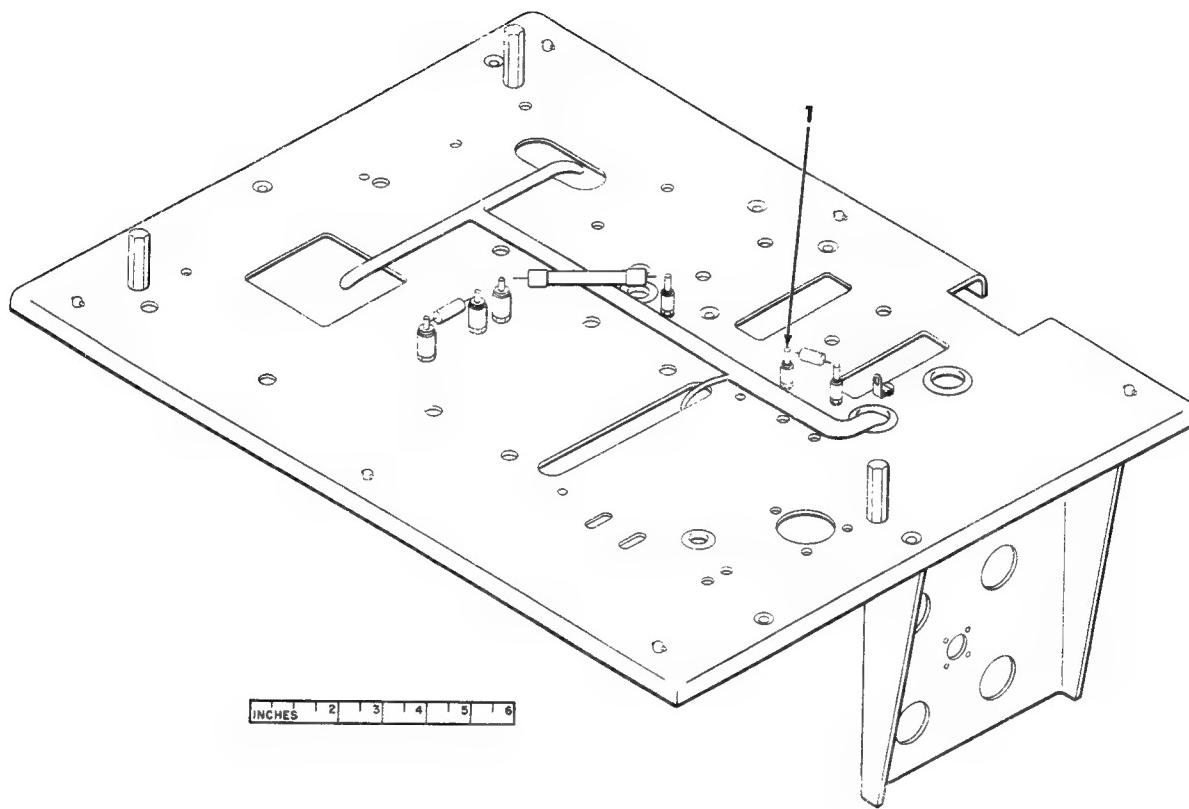
Figure 301. Generator, pulse (9145780) - partial exploded view



ORD G78709

1 SYNCHRO 7674819

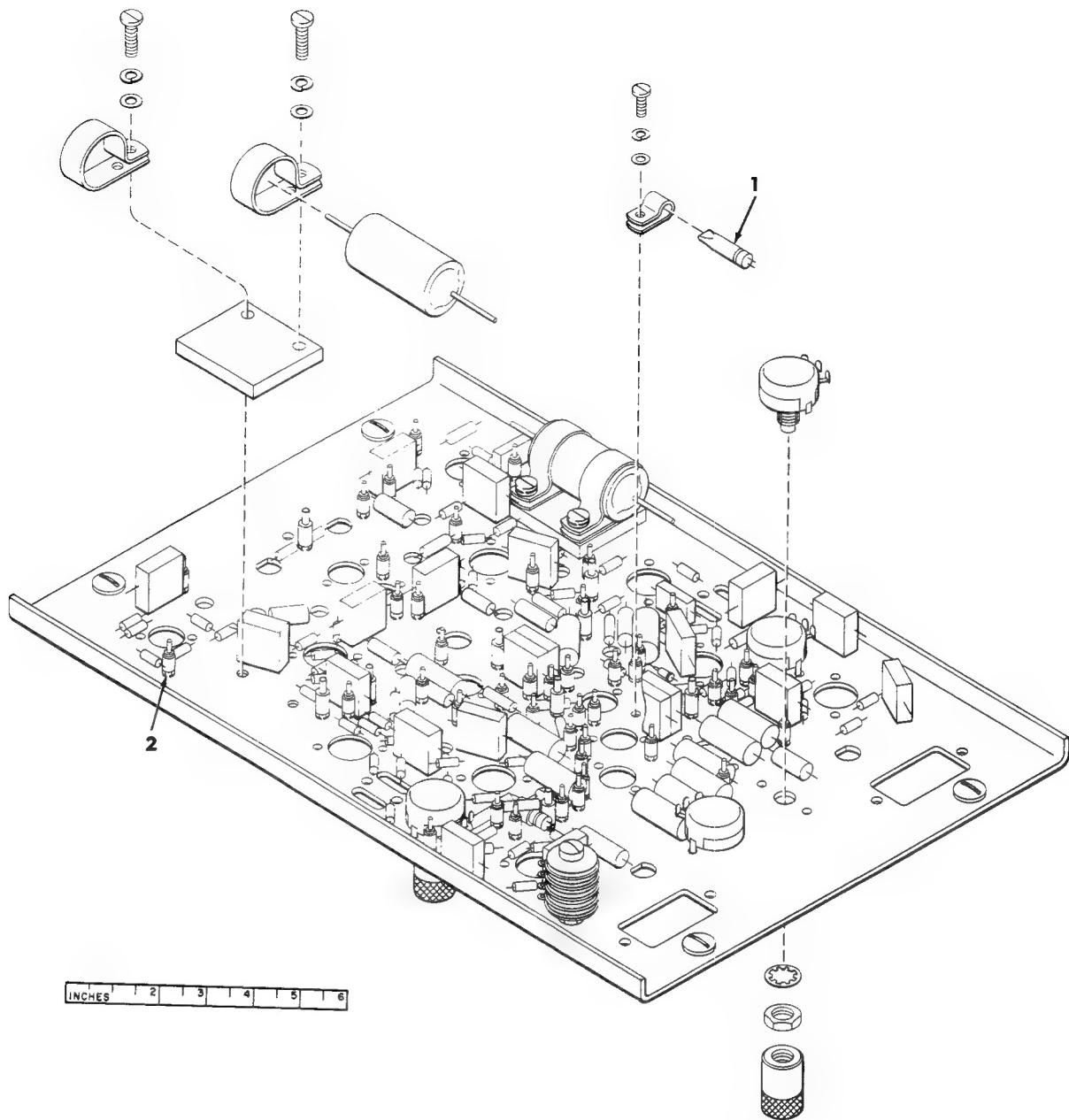
Figure 304. Synchro assembly (9995973) - exploded view



ORD G260082

1 TERMINAL 7598949

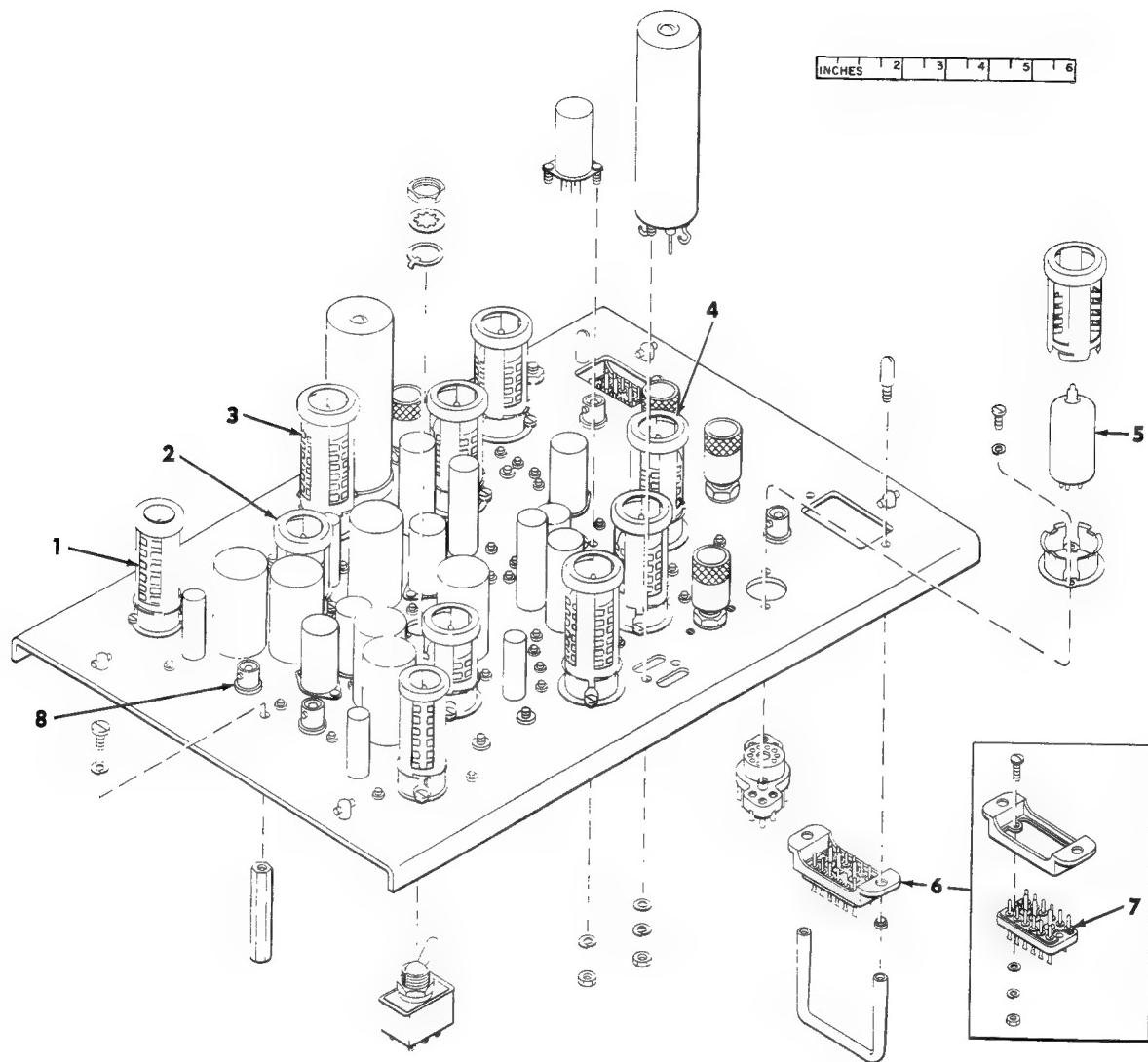
Figure 303. Power supply assembly (9140922) - partial exploded view



ORD G284361

1 LAMP NE-2A
 2 TERMINAL 7598949

Figure 306. Detector, range error (9144784)—partial exploded view



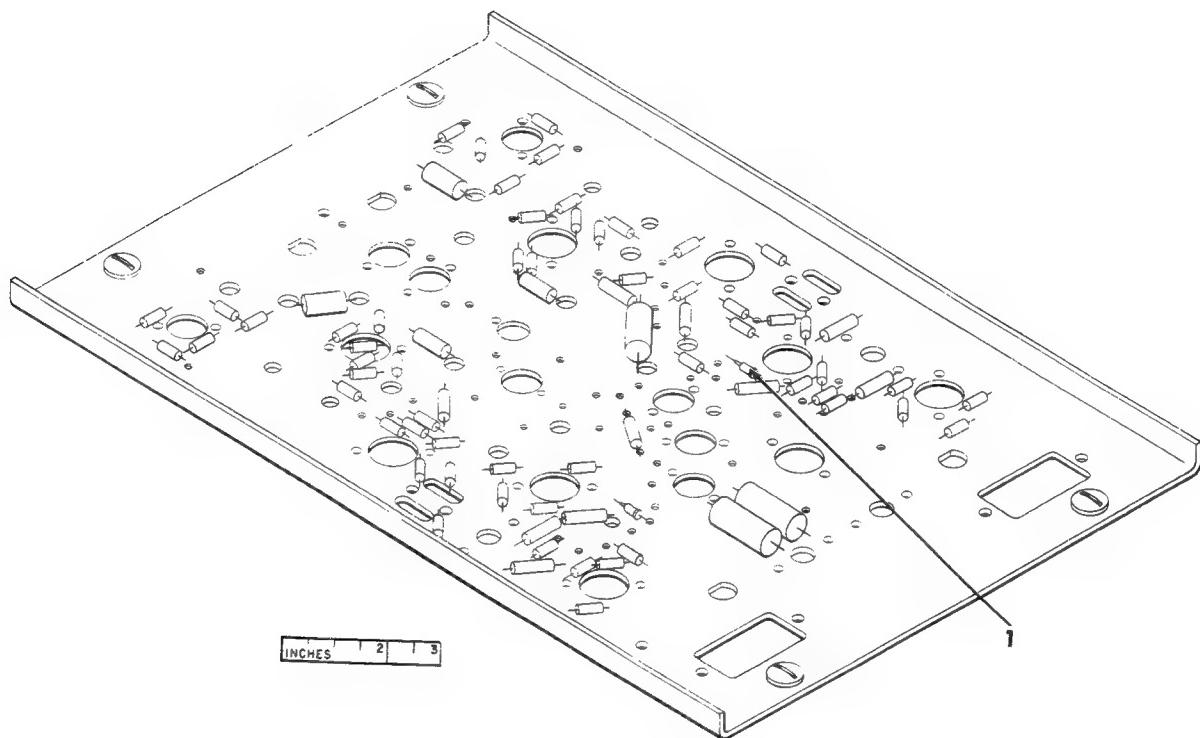
ORD G284360

1 ELECTRON TUBE 6AH6
 2 ELECTRON TUBE 5670
 3 ELECTRON TUBE 6CL6

4 ELECTRON TUBE 5755
 5 ELECTRON TUBE 5687KA
 6 CONNECTOR 7598051

7 CONNECTOR 7598934
 8 CONNECTOR MS-27035-625B

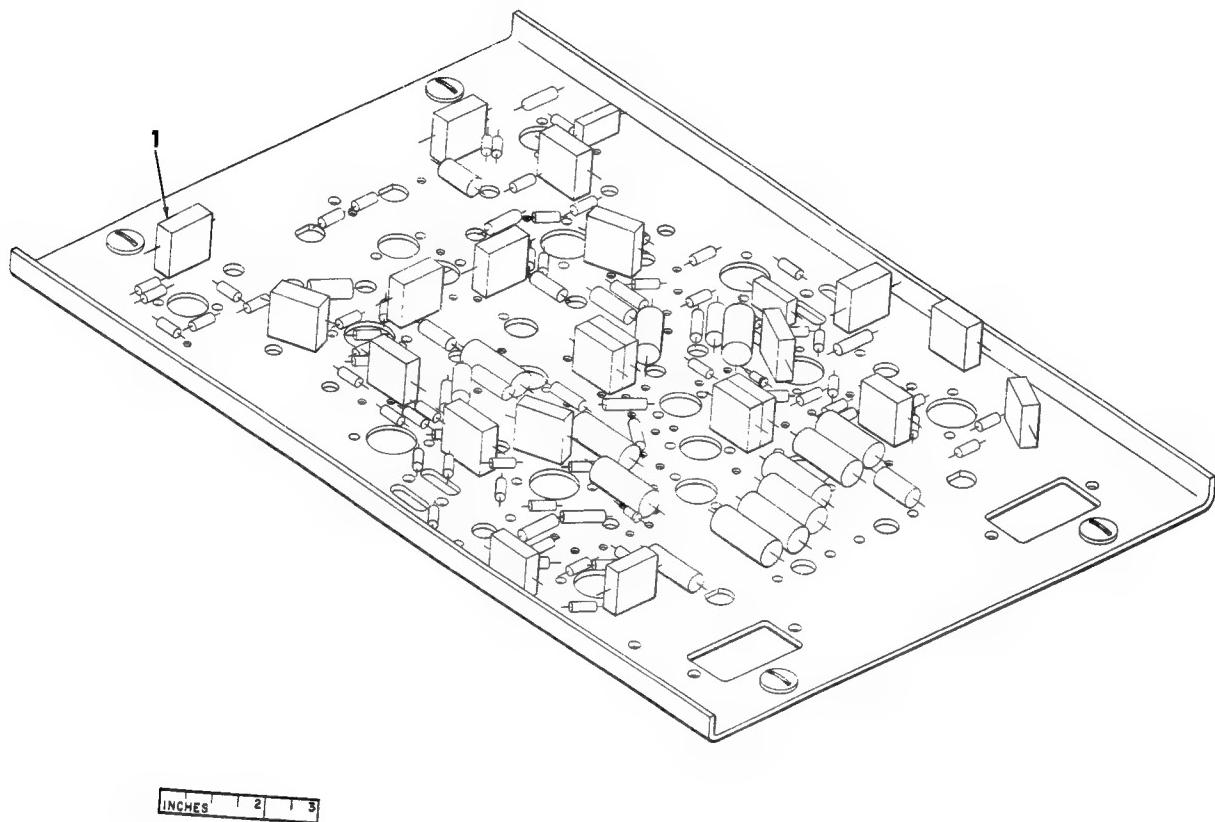
Figure 305. Detector, range error (9144784) - partial exploded view



ORD G260085

1 SEMICONDUCTOR DEVICE
9137420

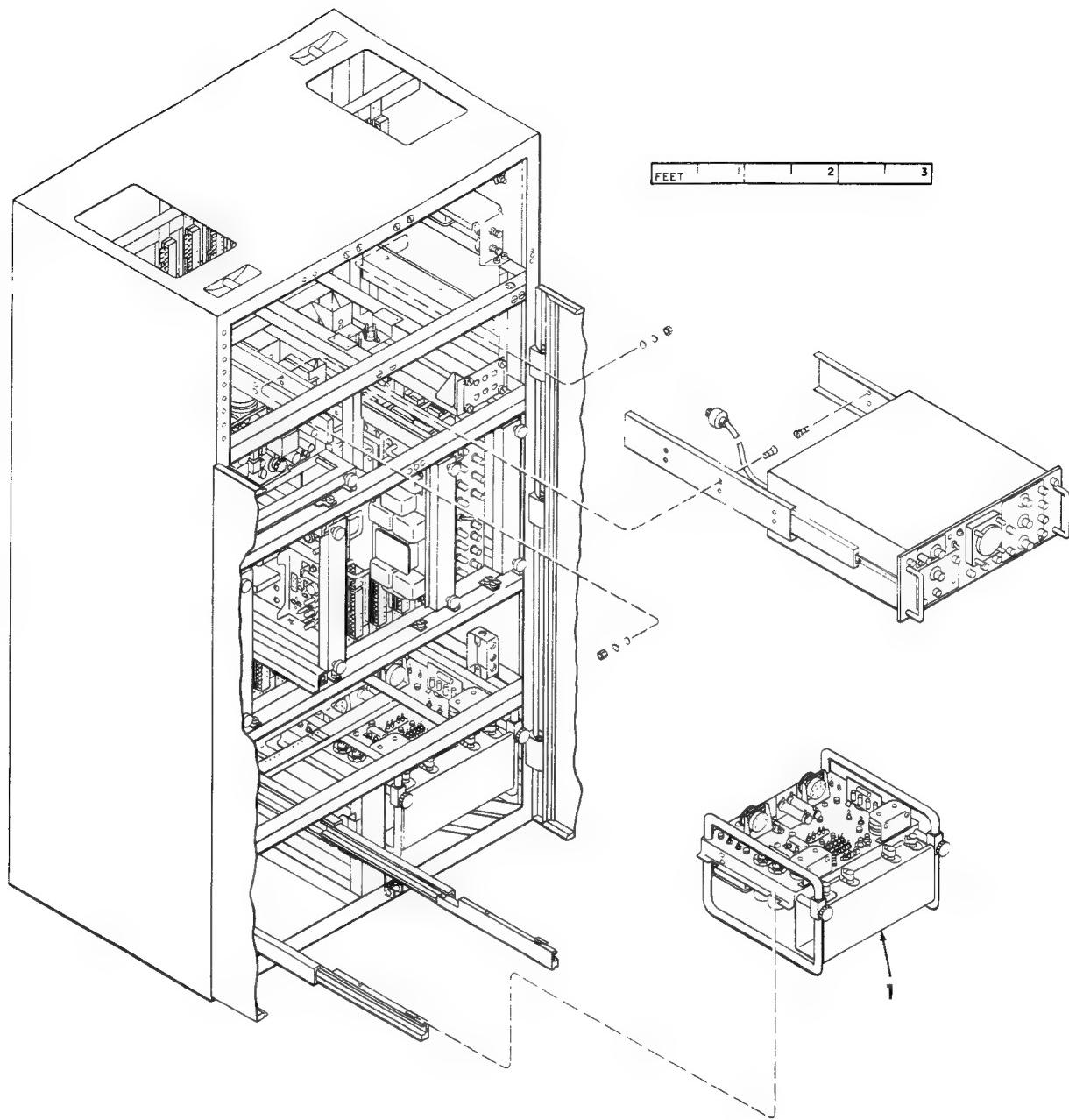
Figure 308. Detector, range error (9144784) - partial exploded view



ORD G284362

1 CAPACITOR CM35E103J

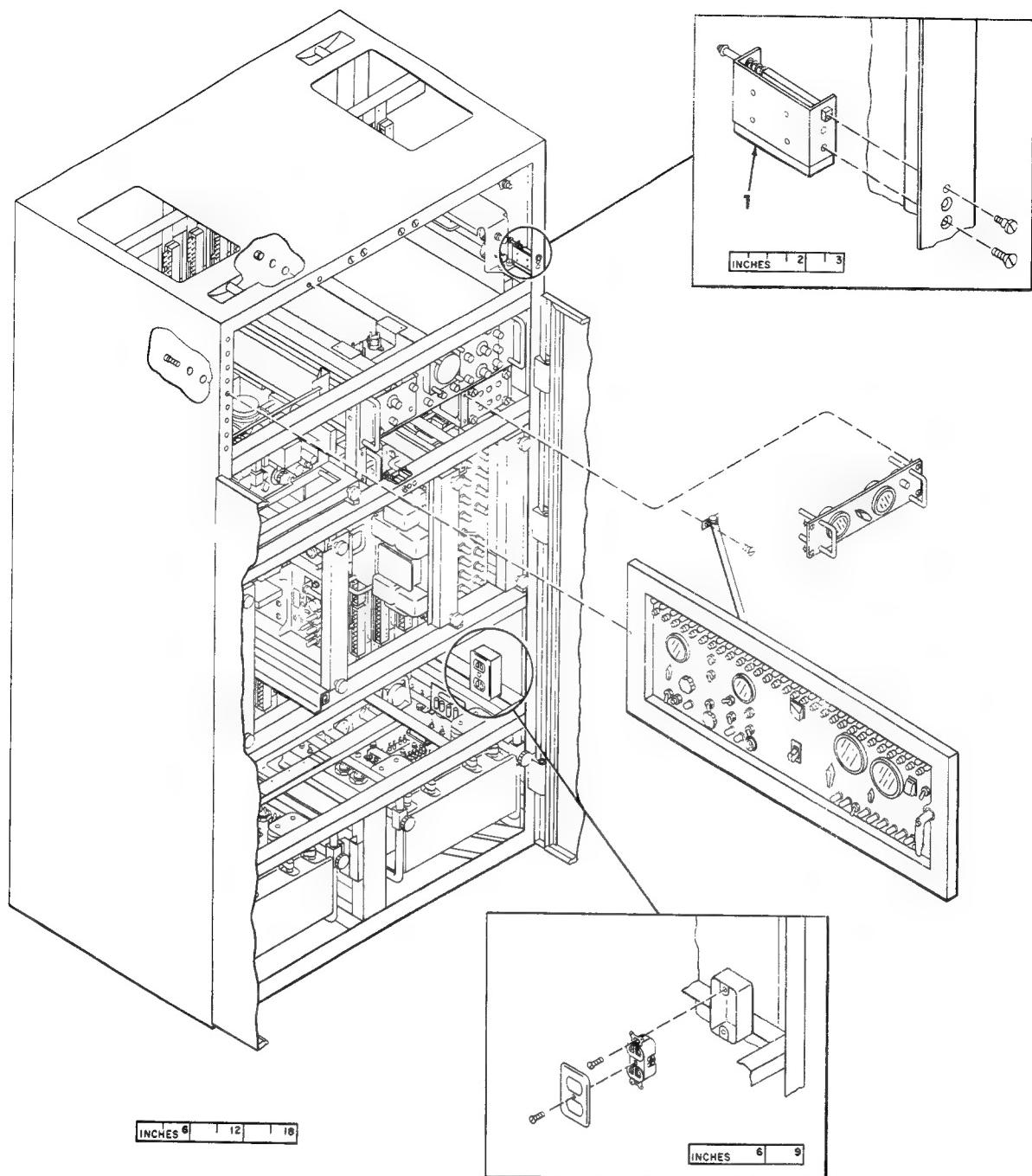
Figure 307. Detector, range error (9144784) - partial exploded view



ORD G284364

1 POWER SUPPLY 9140697

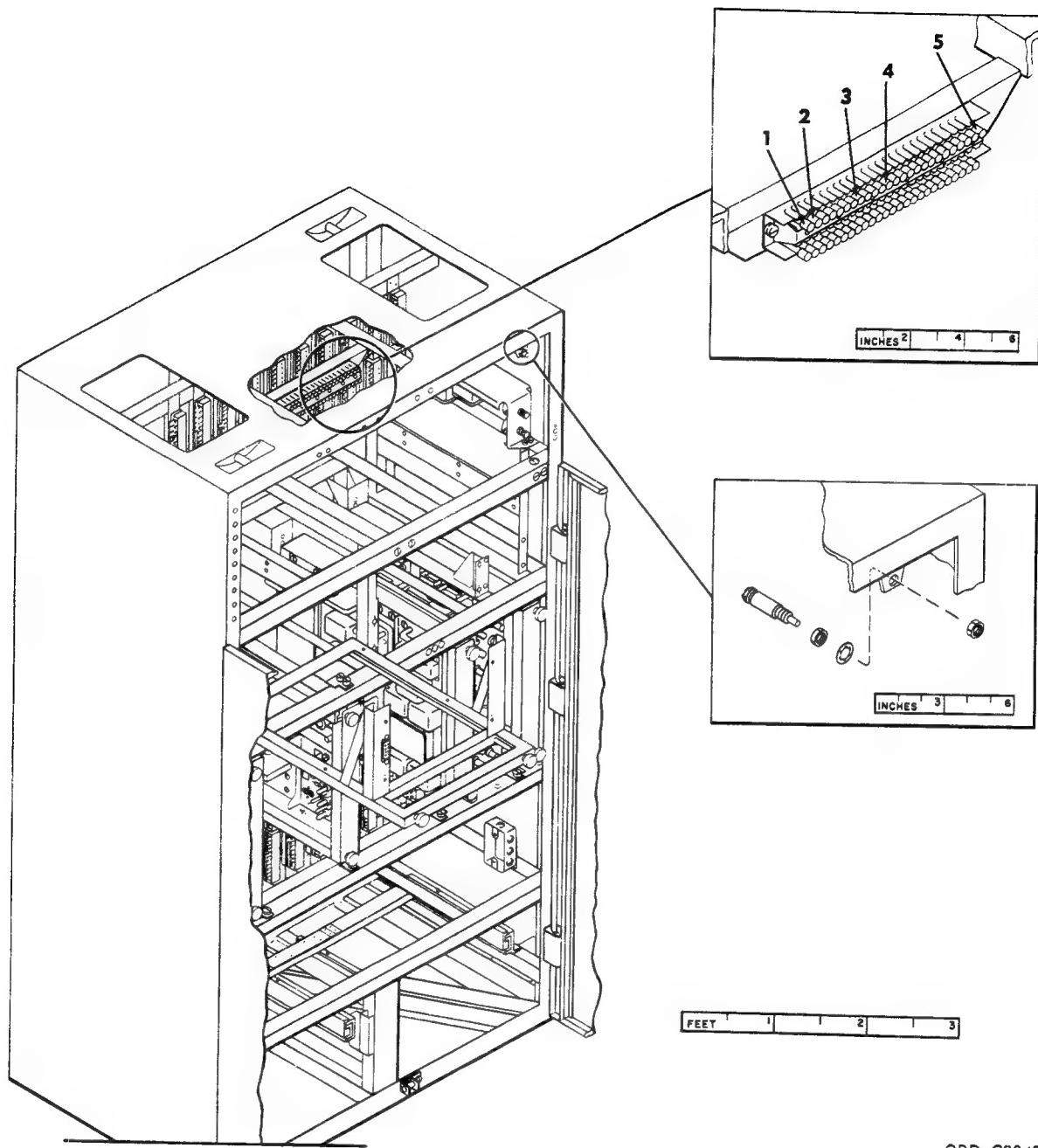
Figure 310. Control, receiver-transmitter (9141310) – partial exploded view



ORD G284363

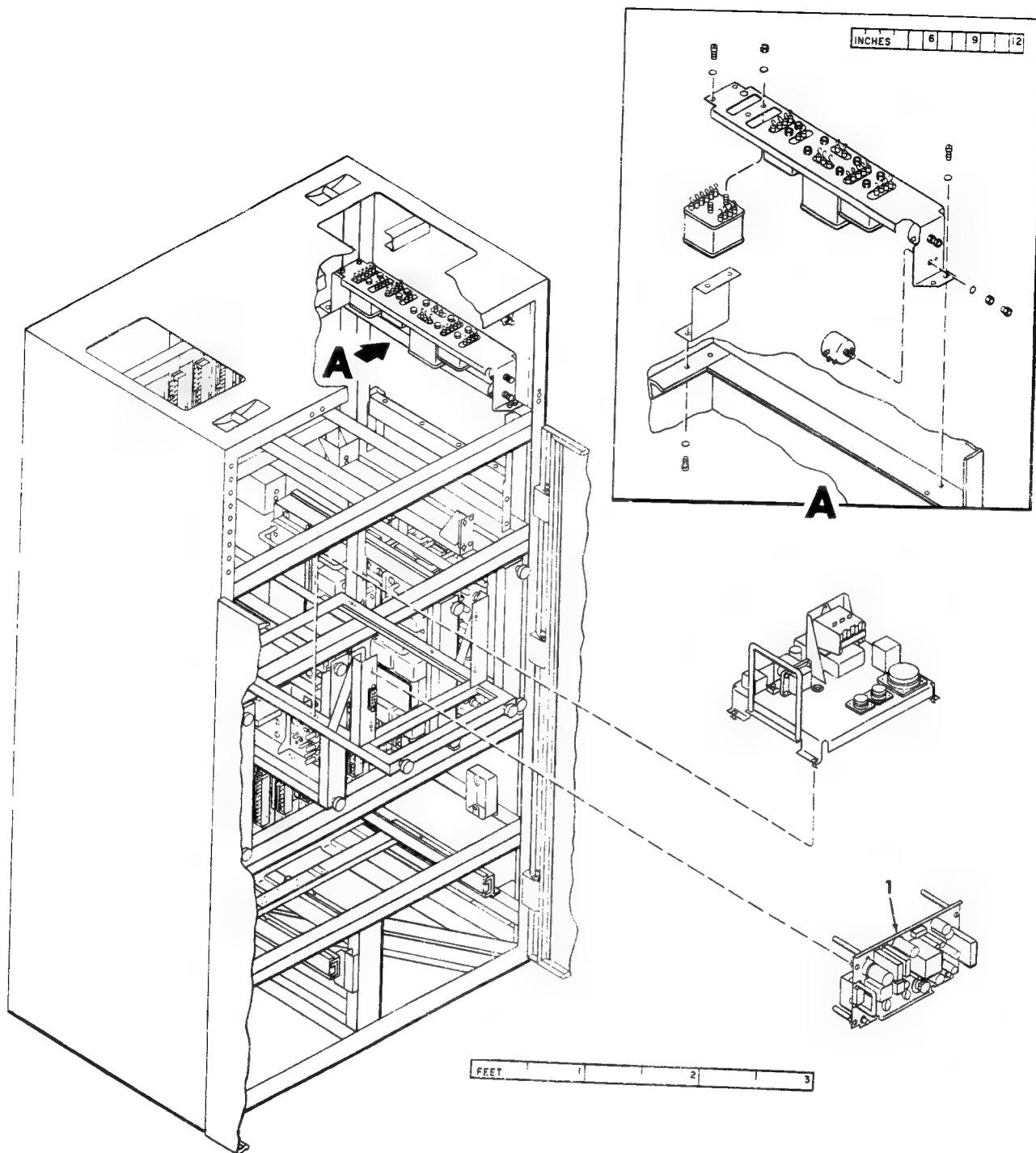
1 SWITCH 7602749

Figure 309. Control, receiver-transmitter (9141310)—partial exploded view



- 1 FUSE 9976156
- 2 FUSE 9976156-2
- 3 FUSE 8034518-6
- 4 FUSE 9007312
- 5 FUSE F03A125V20A

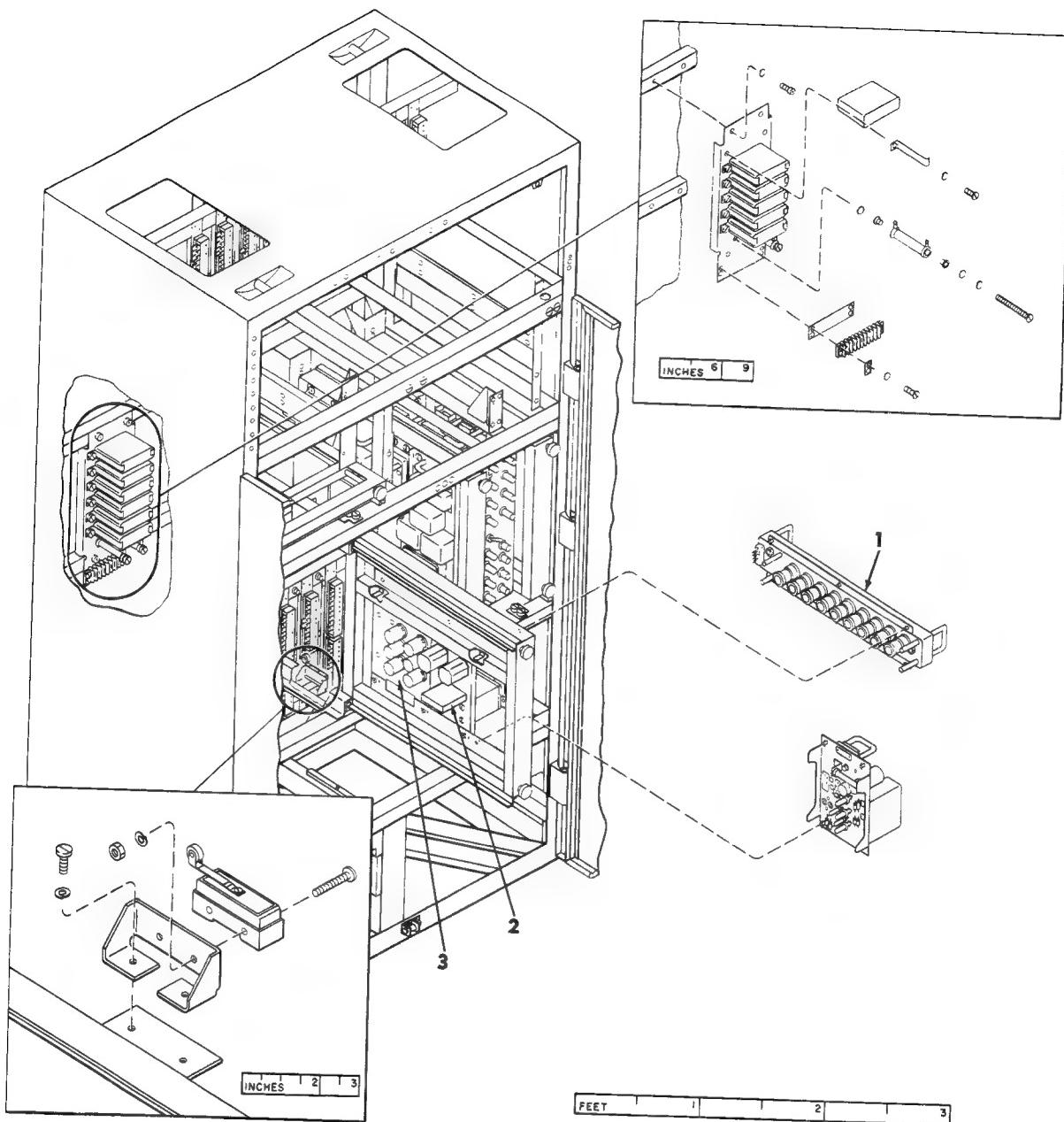
Figure 312. Control, receiver-transmitter (9141310) - partial exploded view



ORD G254107

1 GENERATOR 9143780

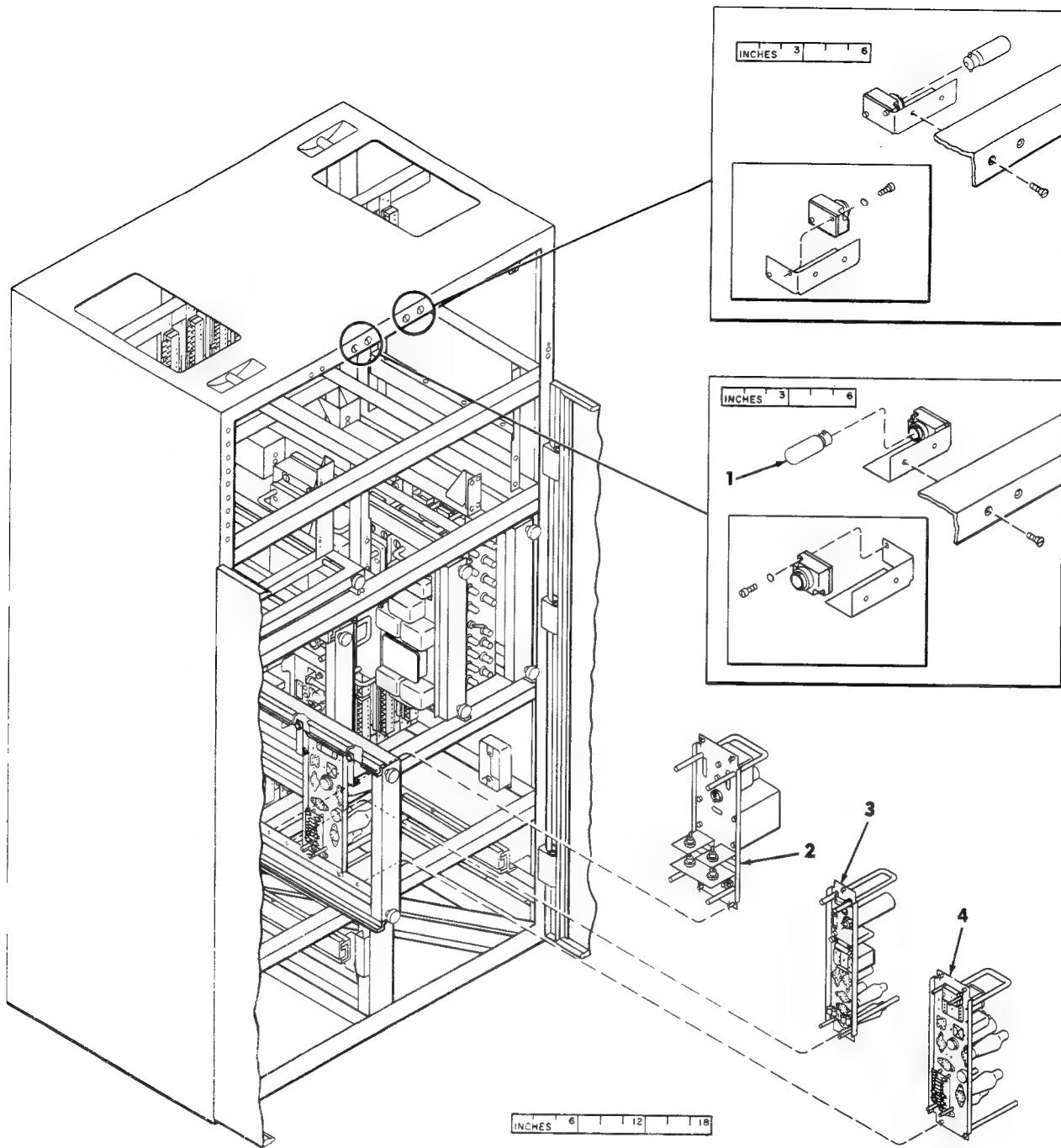
Figure 311. Control, receiver-transmitter (9141310)—partial exploded view



ORD G240086

- 1 DETECTOR 9012970
- 2 TIMER 9154656
- 3 RECEIVER 9139337

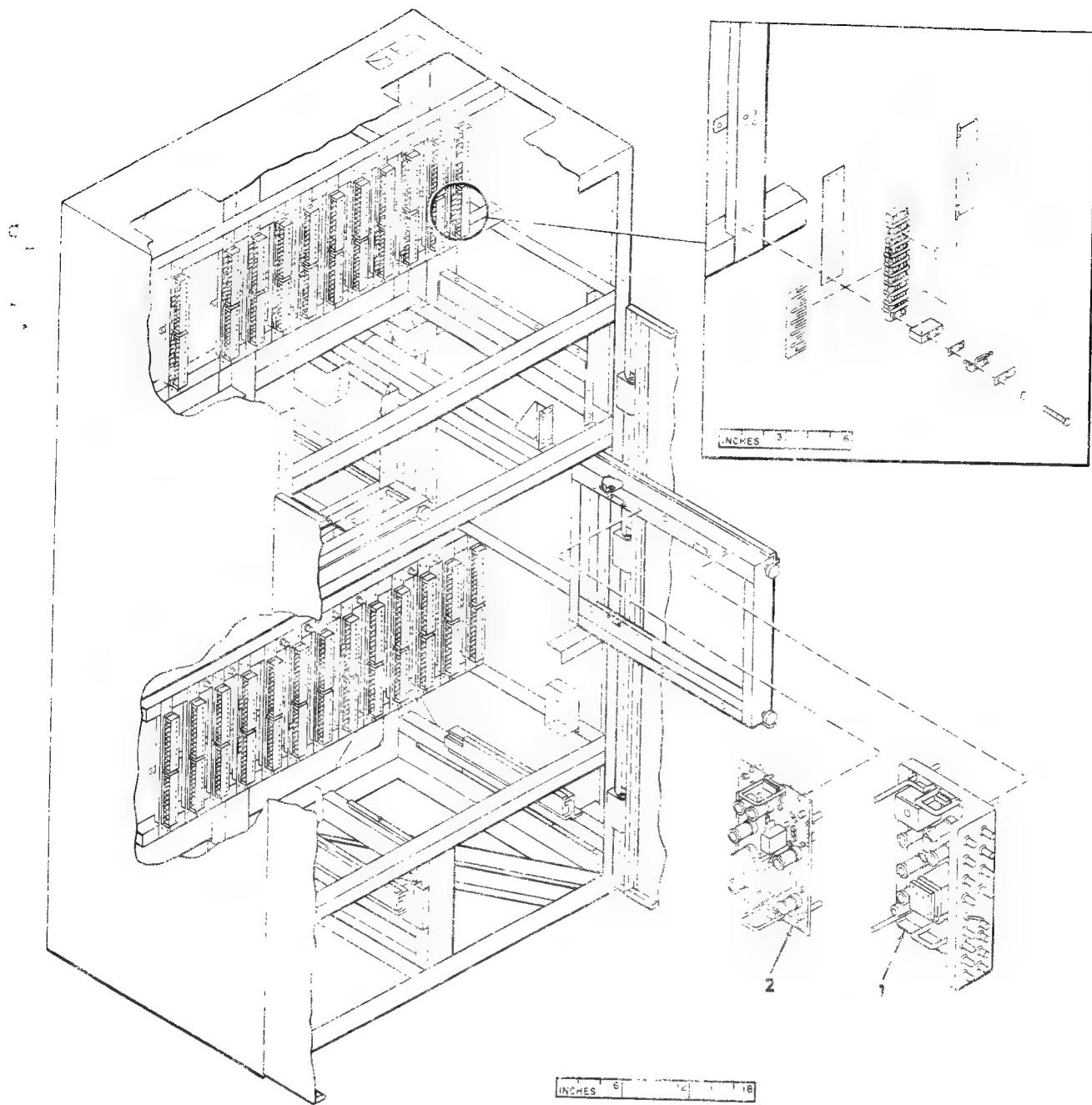
Figure 314. Control, receiver-transmitter (9141310)—partial exploded view



ORD G284366

- 1 LAMP 8519197
- 2 POWER SUPPLY 9986424
- 3 REGULATOR 7620552
- 4 REGULATOR 9137641

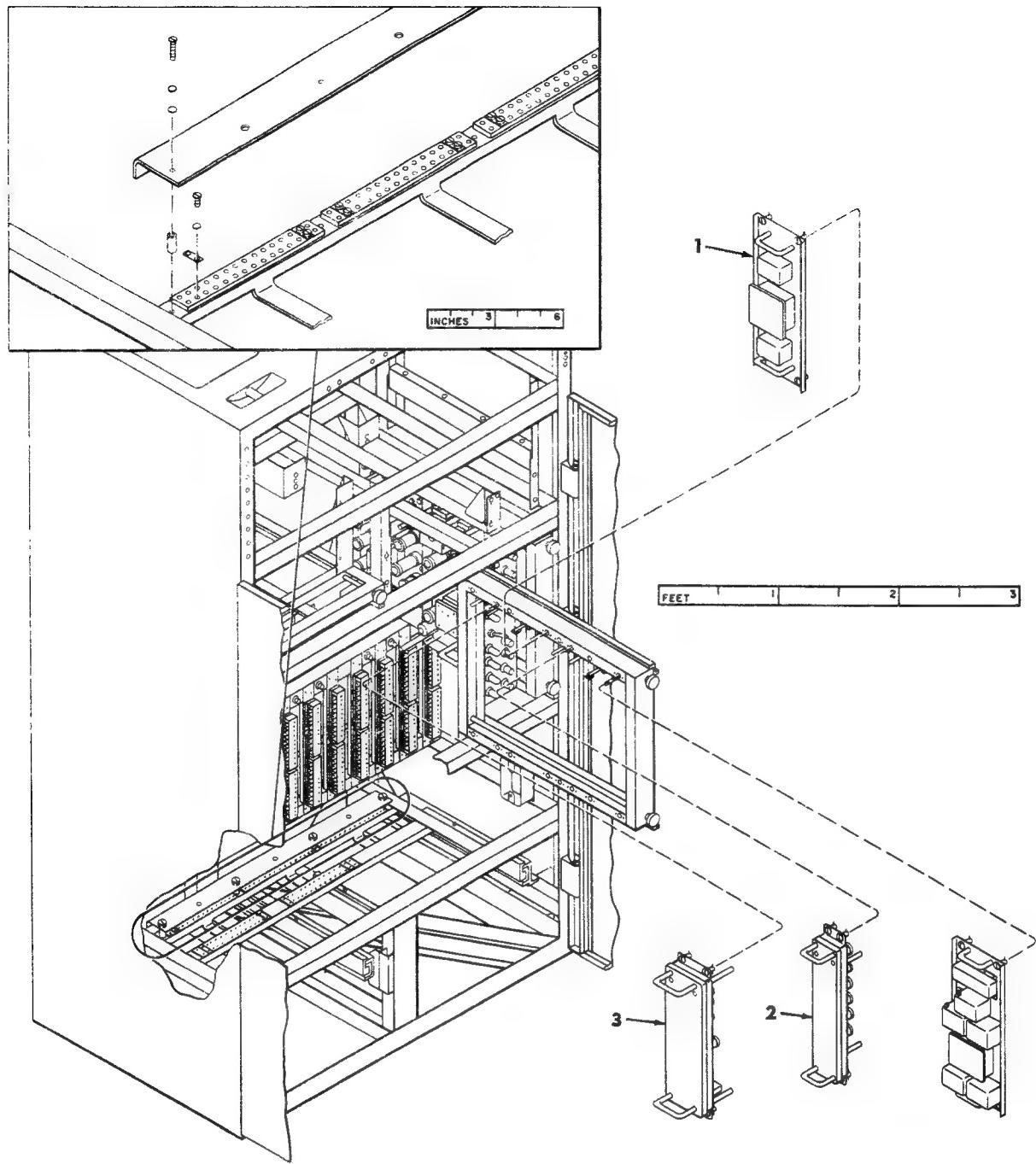
Figure 313. Control, receiver-transmitter (9141310) – partial exploded view



ORD G254109

1 SYNCHRONIZER 9136696
 2 CONTROL 9155859

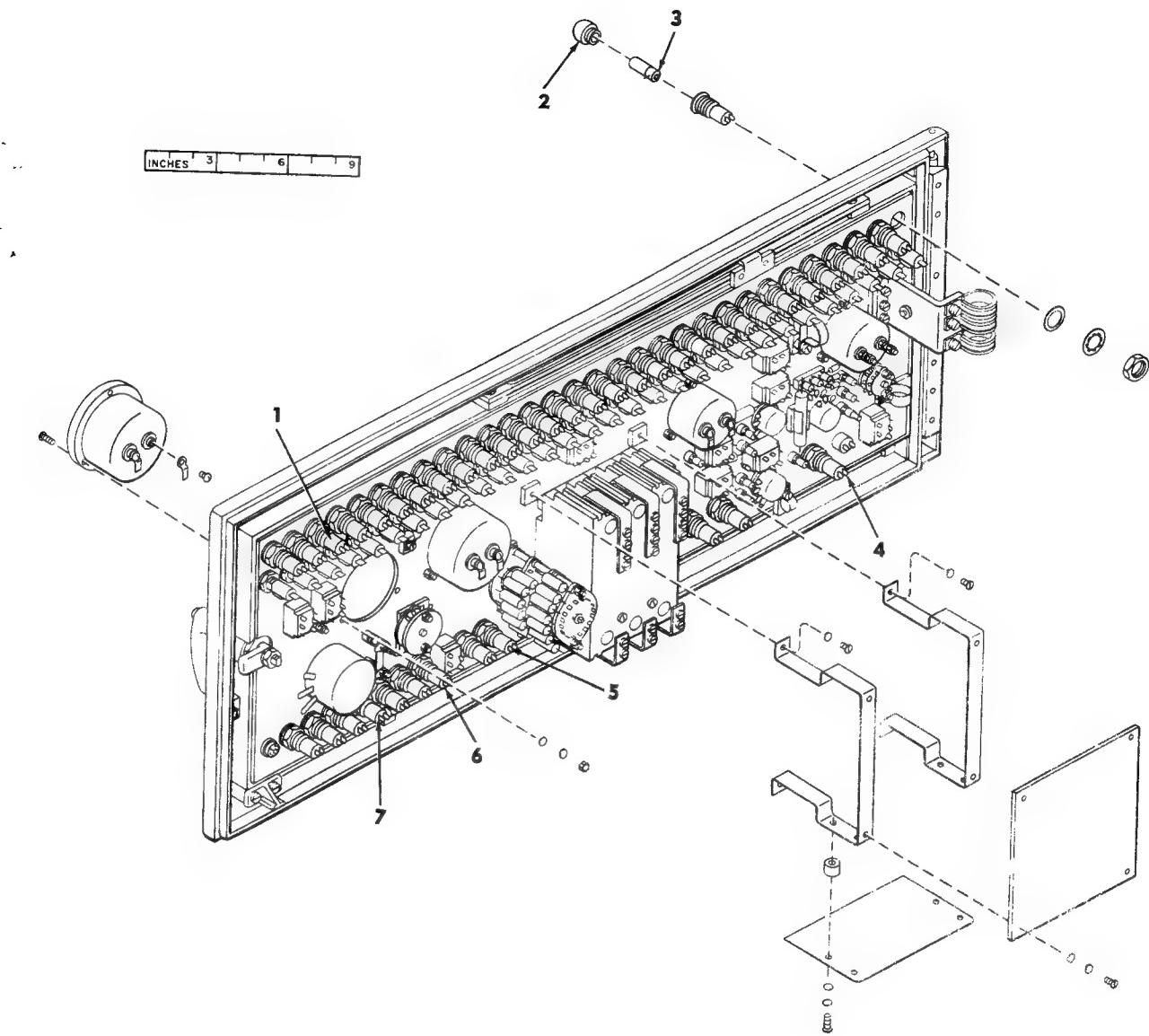
Figure 316. Control, receiver-transmitter (914131) - partial exploded view



ORD G78714

- 1 FILTER 9012081
 2 AMPLIFIER 9012908
 3 DETECTOR 9012941

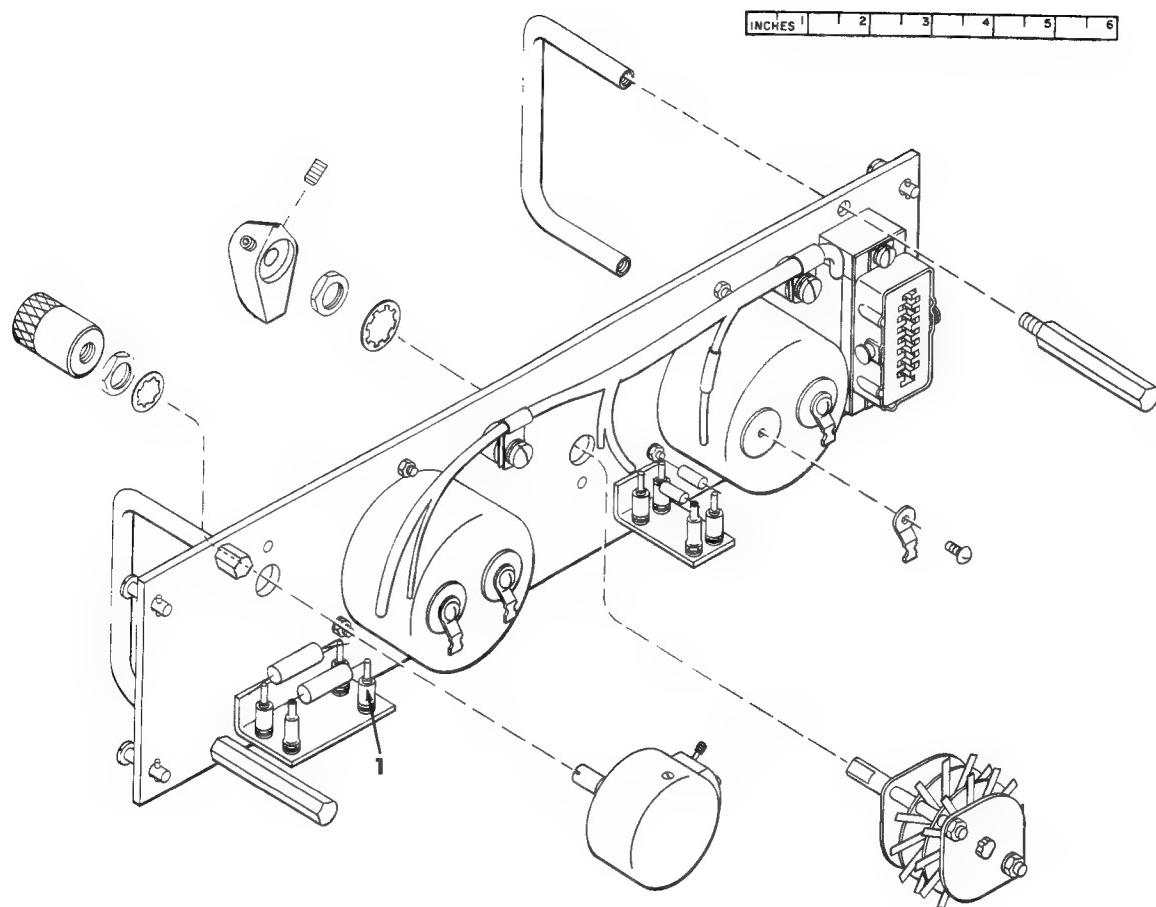
Figure 315. Control, receiver-transmitter (9141310) – partial exploded view



1 LAMP MS-25231-1819	5 LENS 7600002
2 LENS 8328096	6 LENS 7600003
3 LAMP 7605718	7 LENS 8175032
4 LAMP MS-15571-2	

ORD G284368

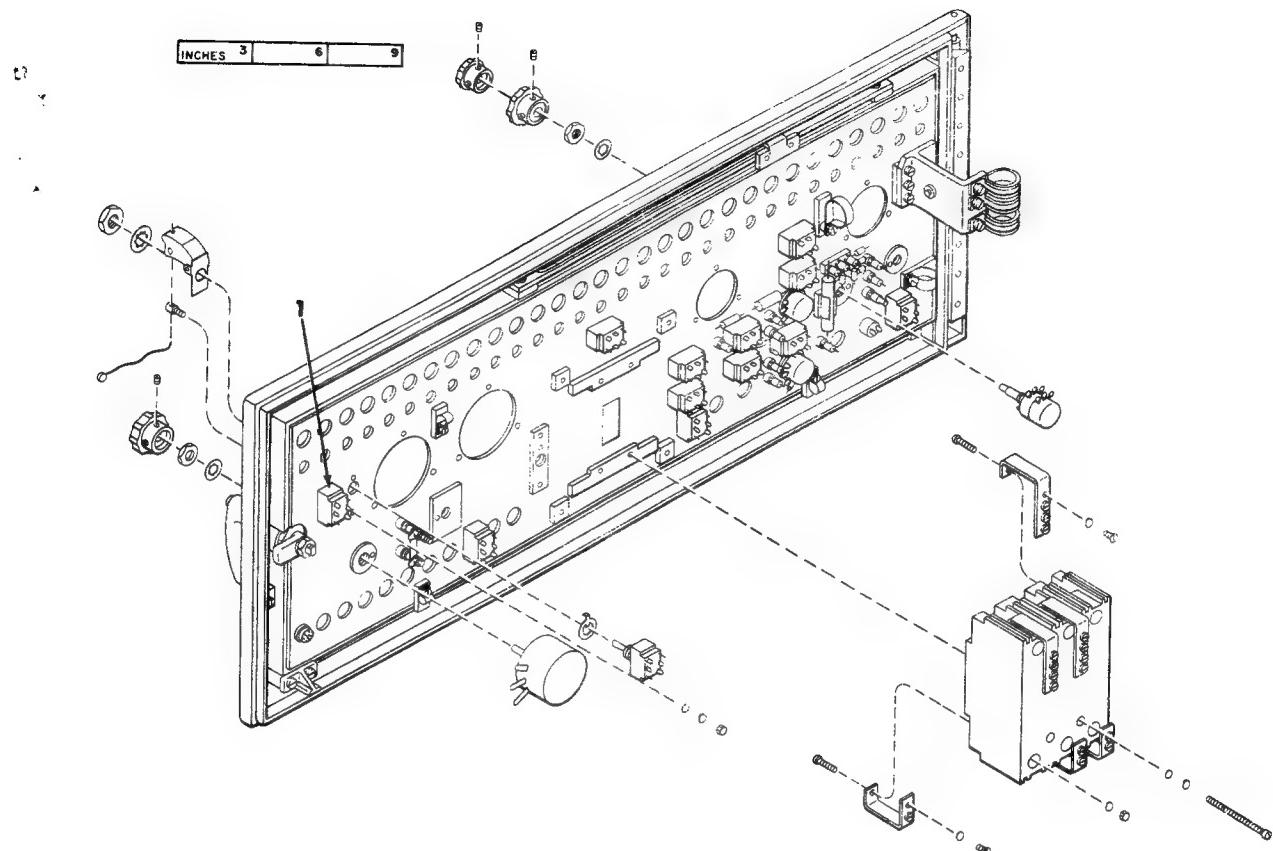
Figure 318. Control-indicator (10167333)-partial exploded view



ORD G284367

1 TERMINAL 7598949

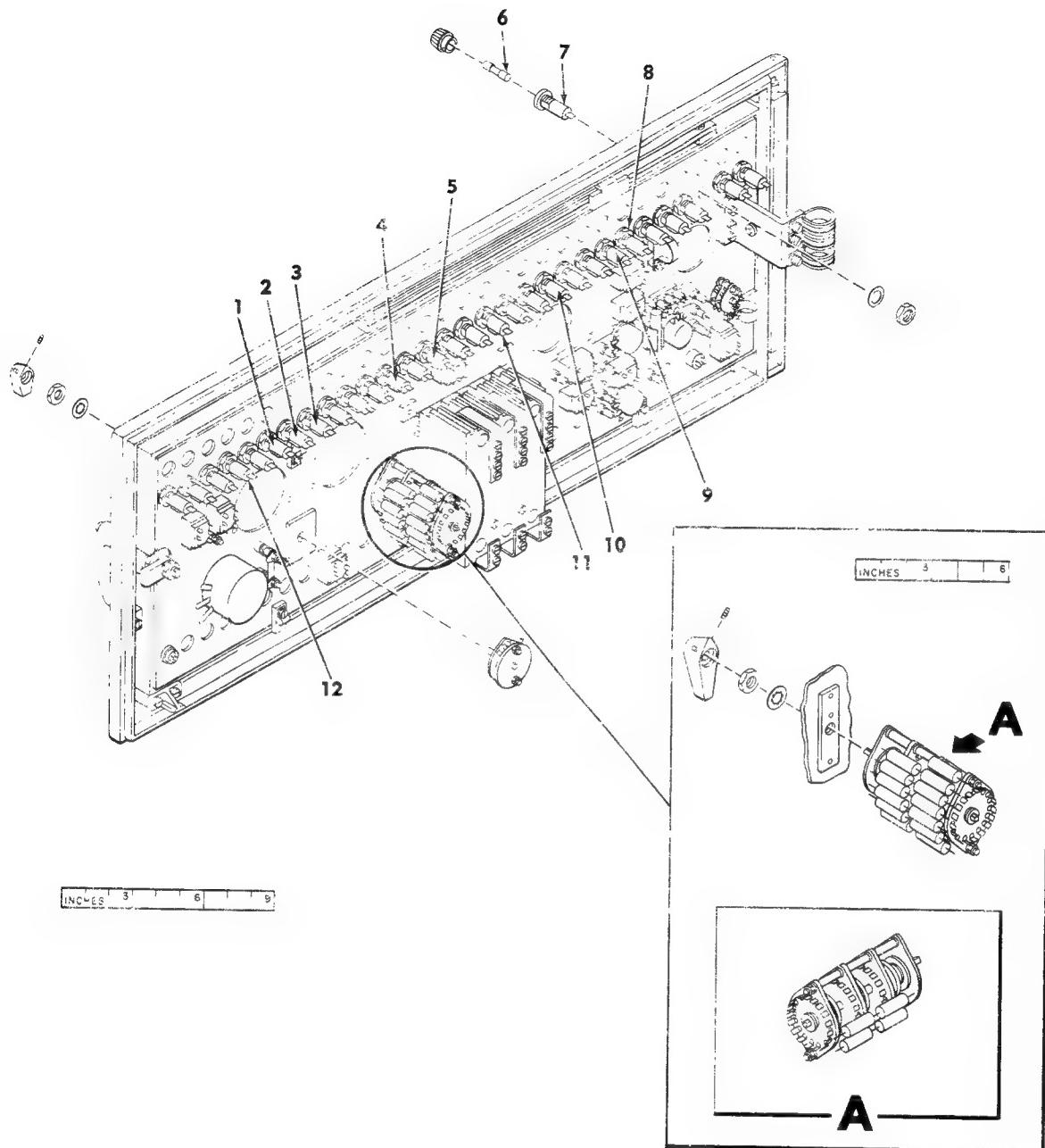
Figure 317. Control-indicator (9139145) - exploded view



ORD G284370

I SWITCH MS-35059-26

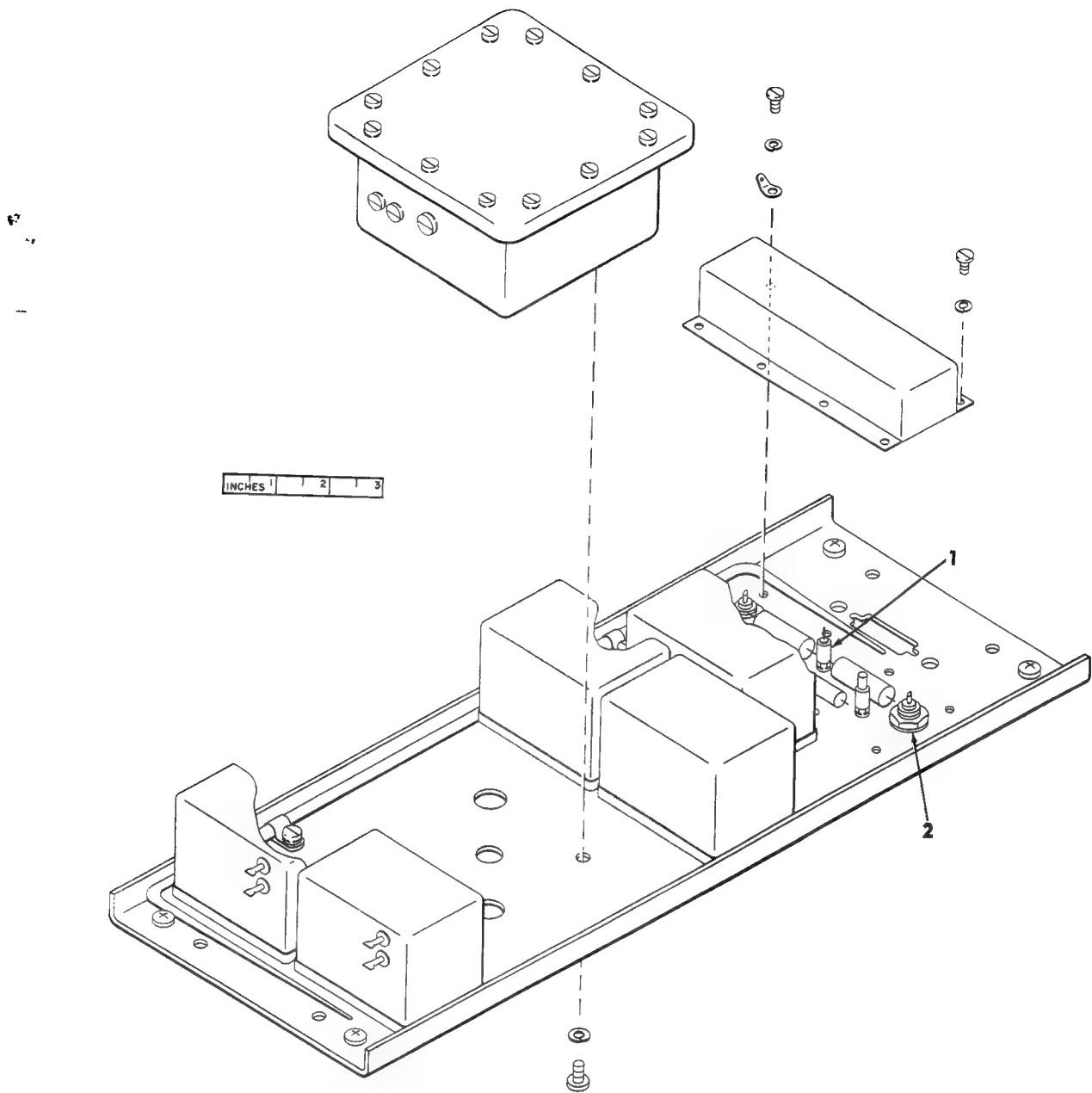
Figure 320. Control-indicator (10167333) - partial exploded view



ORD G284369

1 FUSE 9976156-2	5 FUSE 8175384	9 FUSE F05E32V10A
2 FUSE F06A250V2A	6 FUSE F06A250V15A	10 FUSE F06A250V3A
3 FUSE F06A250V5A	7 FUSE HOLDER 9144073	11 FUSE 9976373-1
4 FUSE F06A250V1A	8 FUSE 903451E-6	12 FUSE F06A250V10A

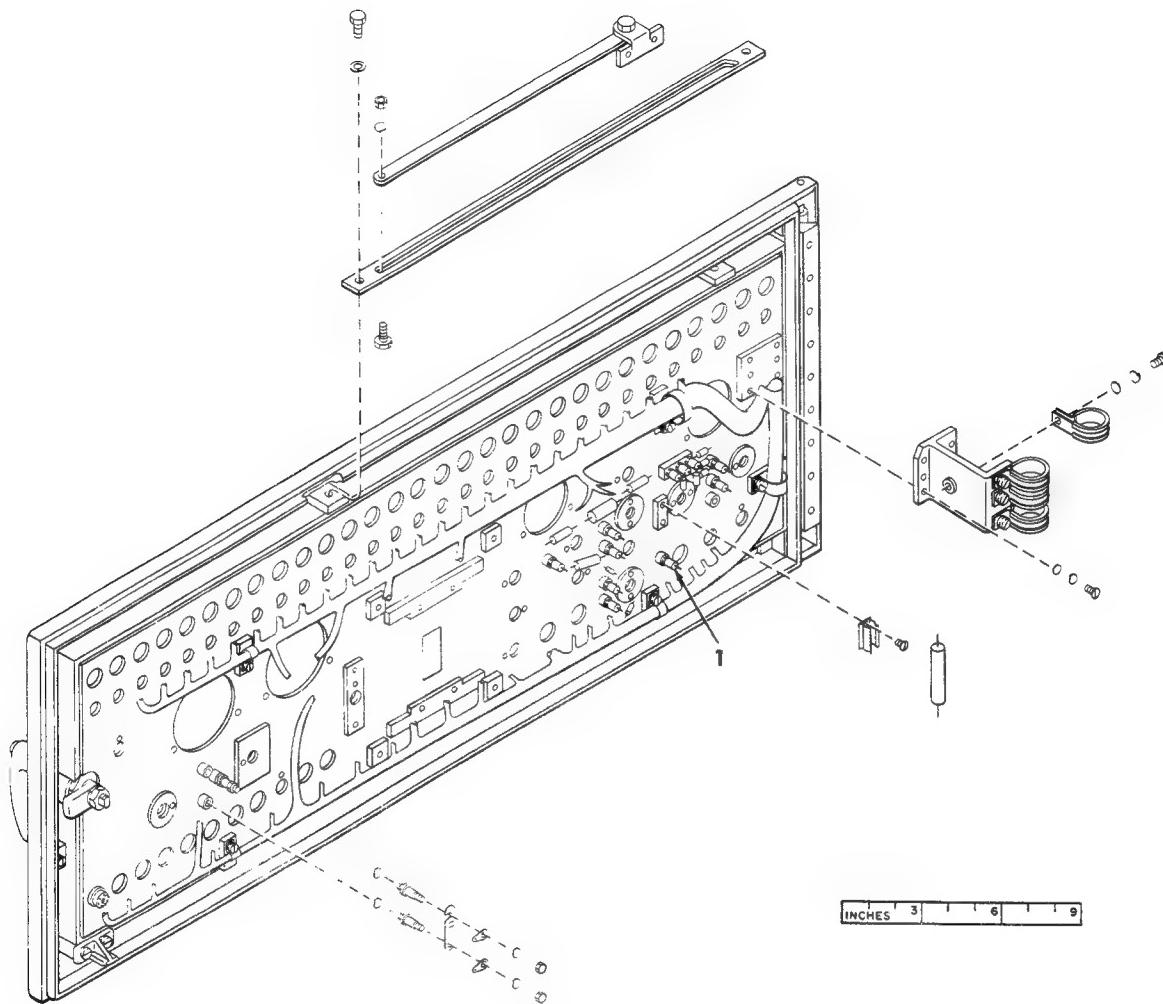
Figure 319. Control-indicator 10167333 - partial exploded view



ORD G284371

1 TERMINAL 7598949
 2 CONNECTOR MS-27035-625B

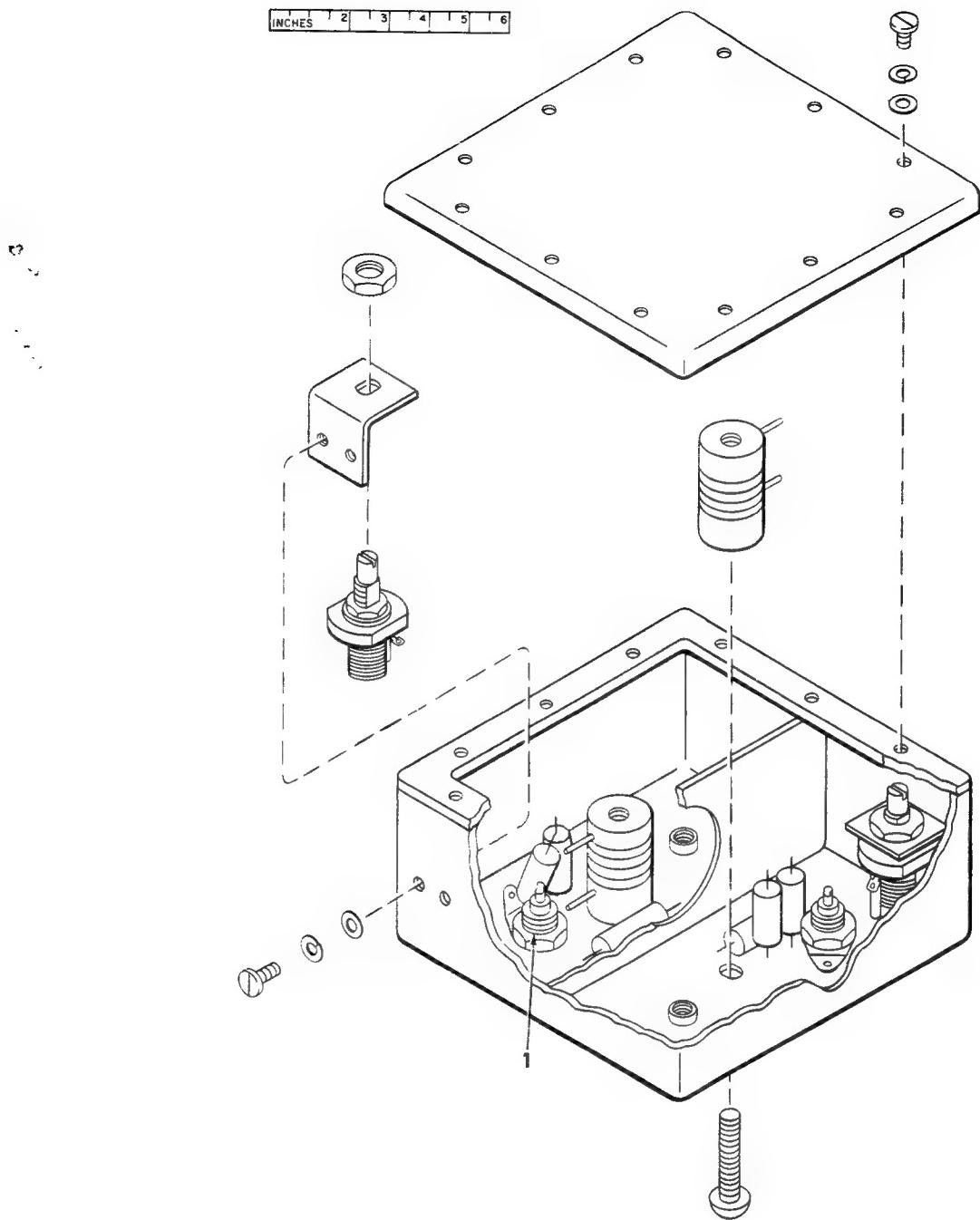
Figure 322. Switch, transmission line assembly (9011982)—exploded view



ORD G260088

1 TERMINAL 759894

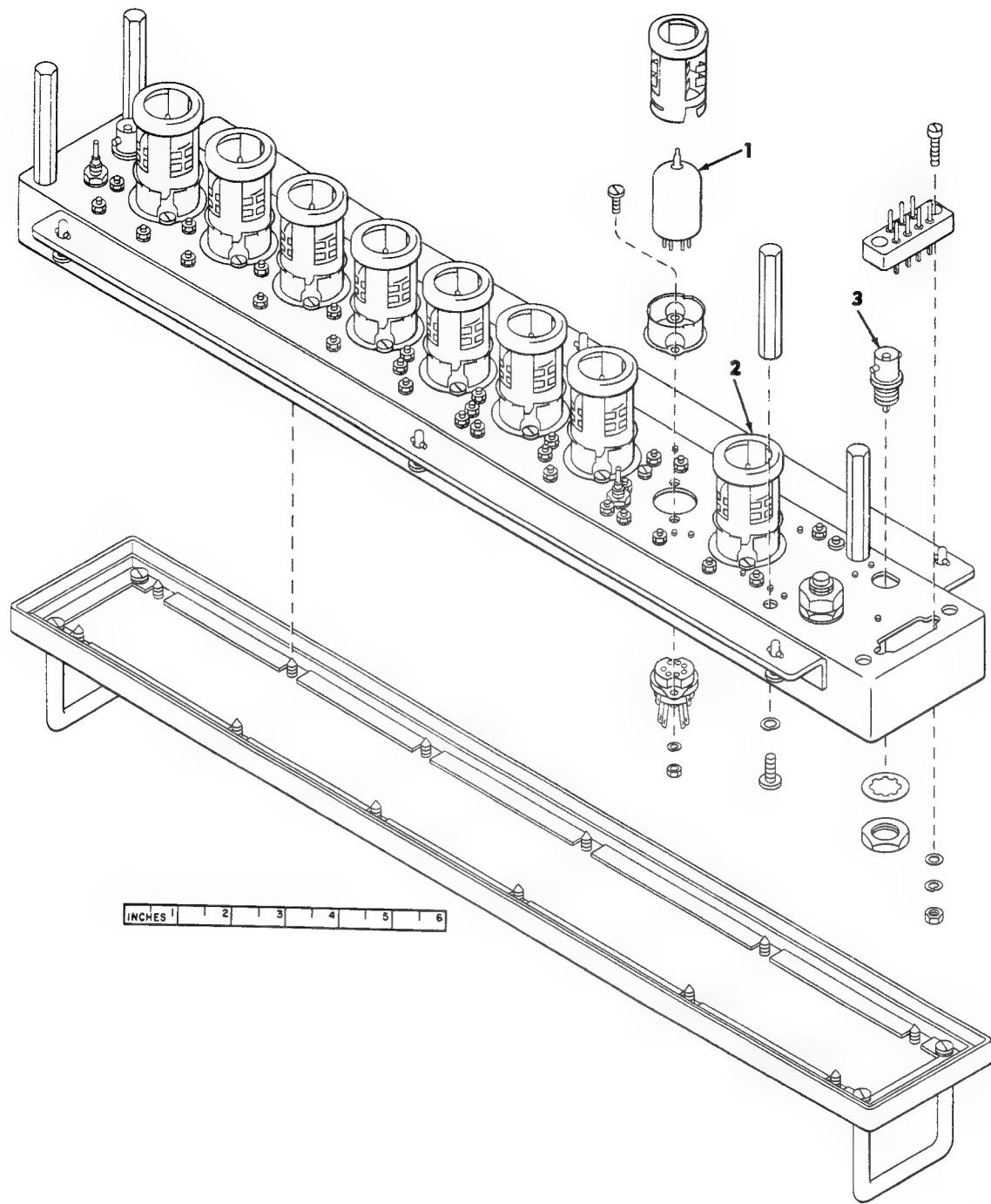
Figure 321. Control-indicator (10167333) - partial exploded view



ORD G284373

1 CONNECTOR MS-27035-625B

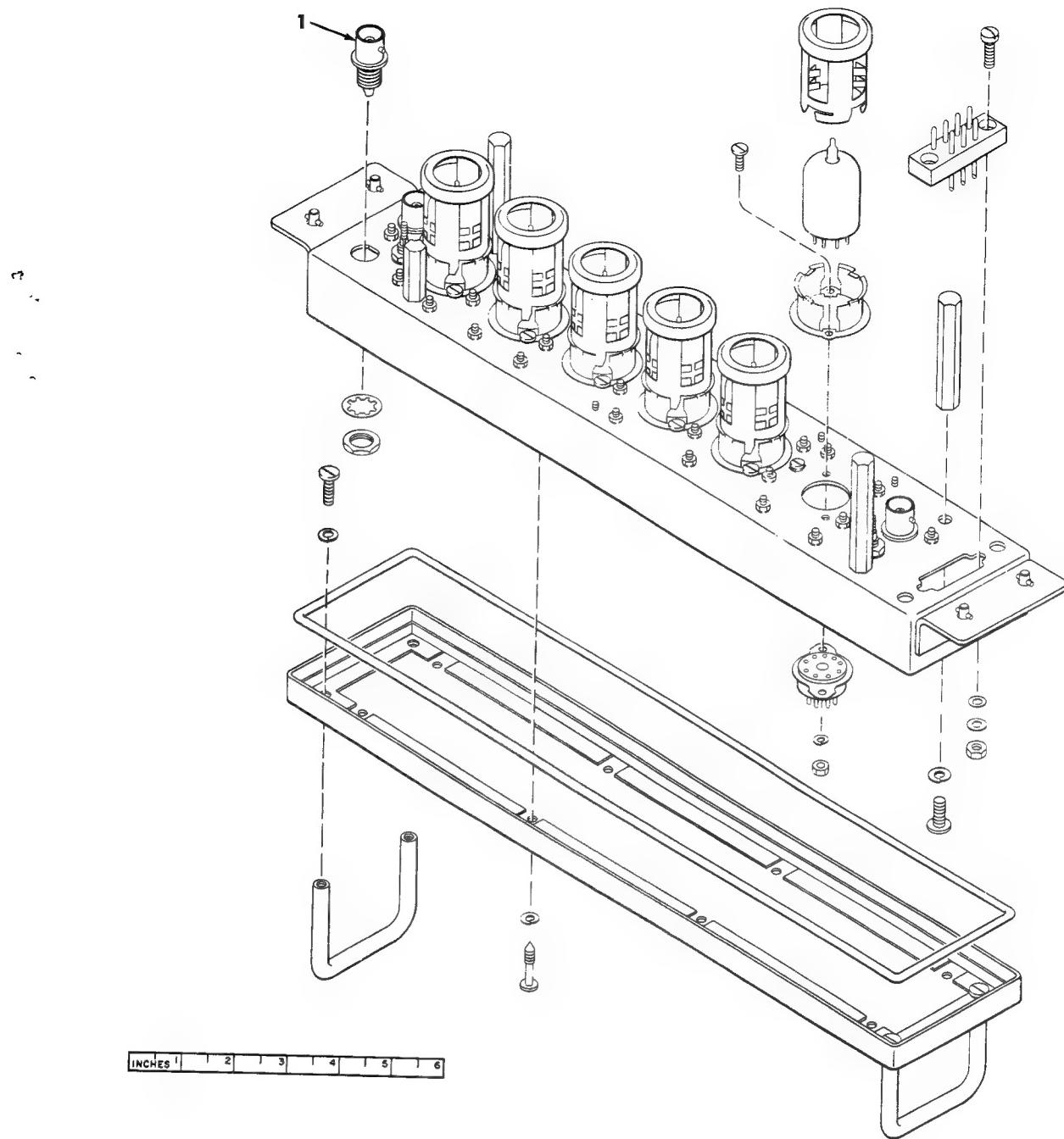
Figure 324. Filter (9145888)—exploded view



ORD G284372

- 1 ELECTRON TUBE 5726/6AL5W
- 2 ELECTRON TUBE 5670
- 3 CONNECTOR MS-27035-625B

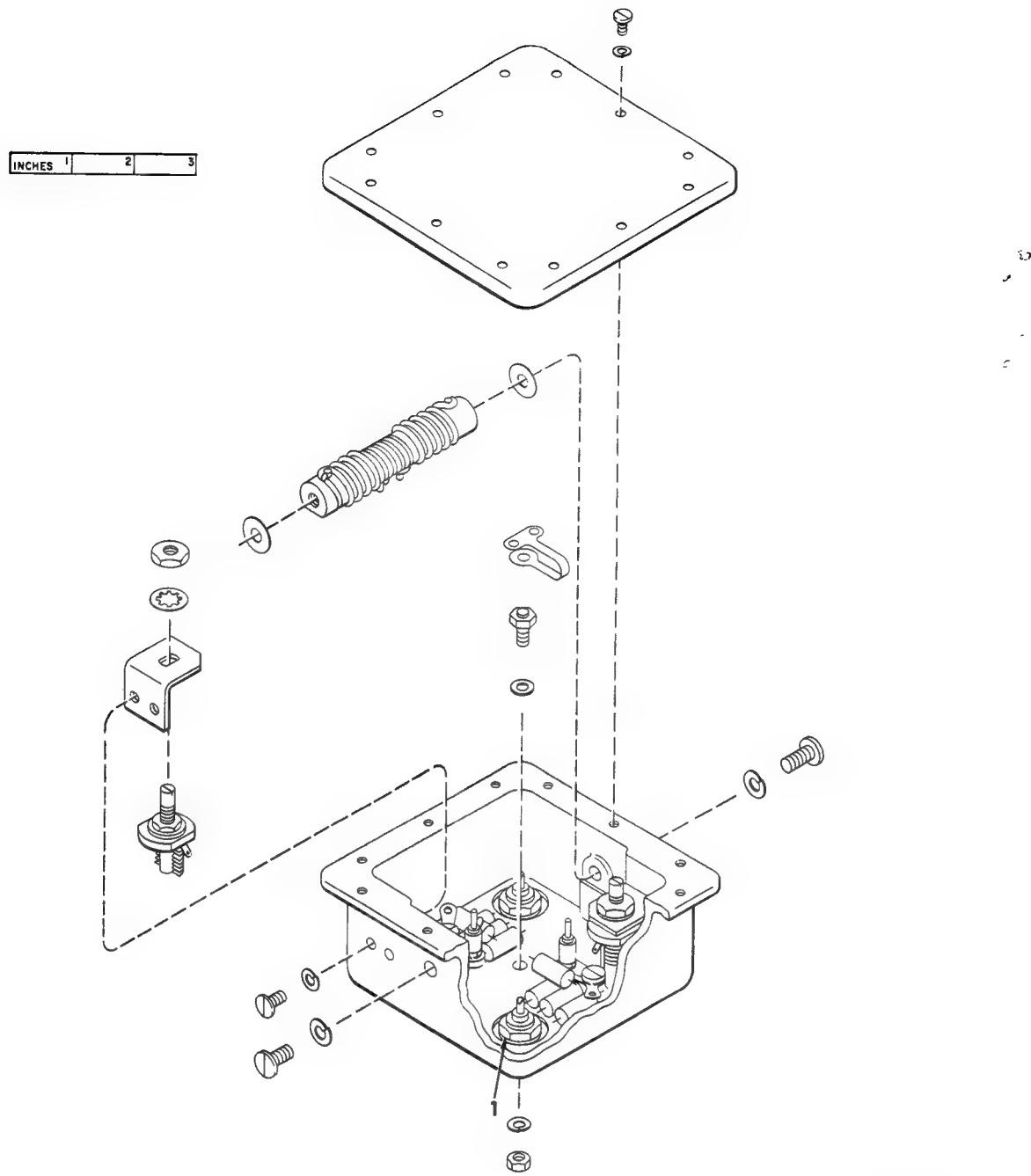
Figure 323. Detector, video signal (9012970)—exploded view



ORD G284375

1 CONNECTOR MS-27035-625B

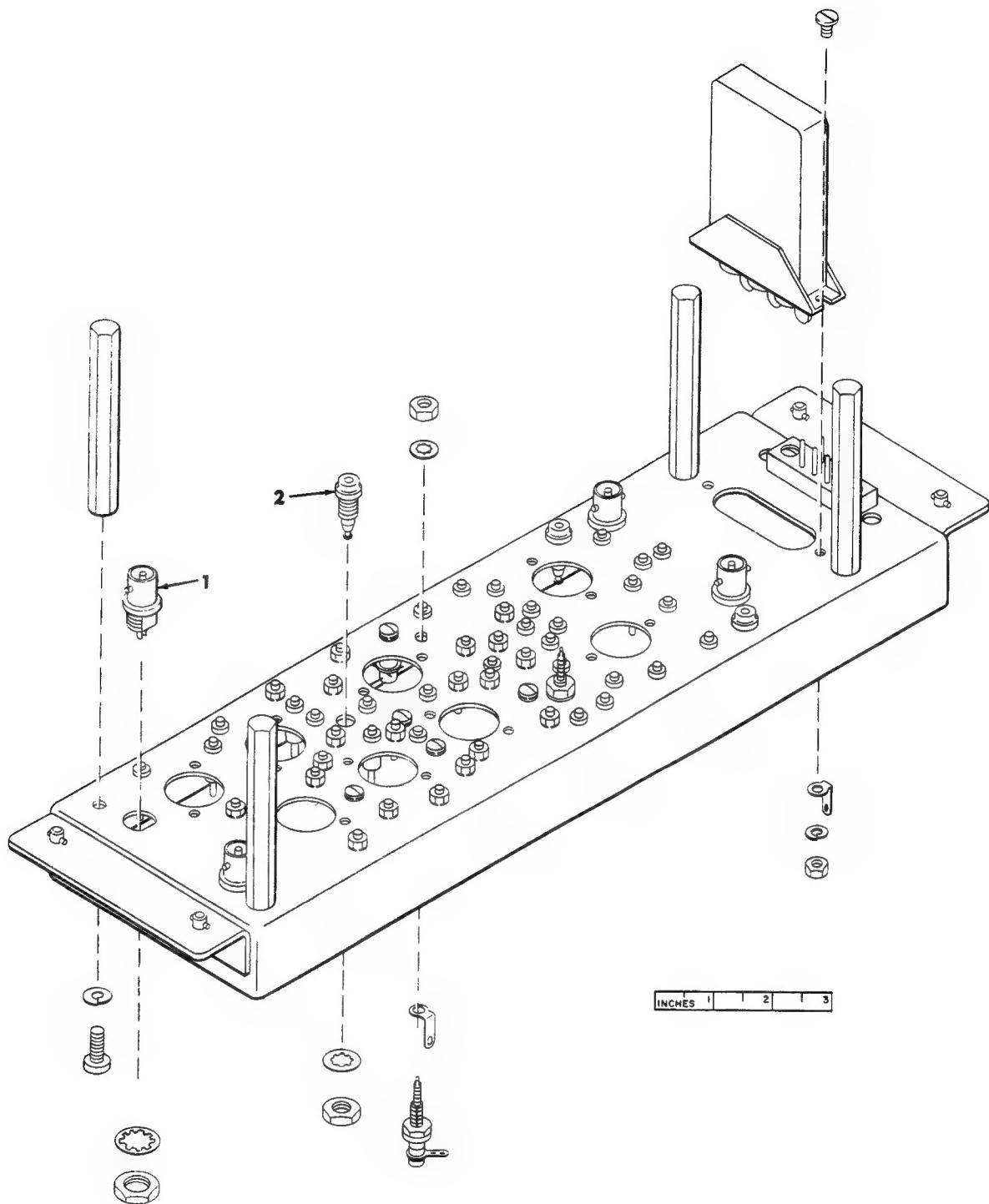
Figure 326. Amplifier, intermediate frequency (9012908)—exploded view



ORD G284374

I CONNECTOR MS-27035-625B

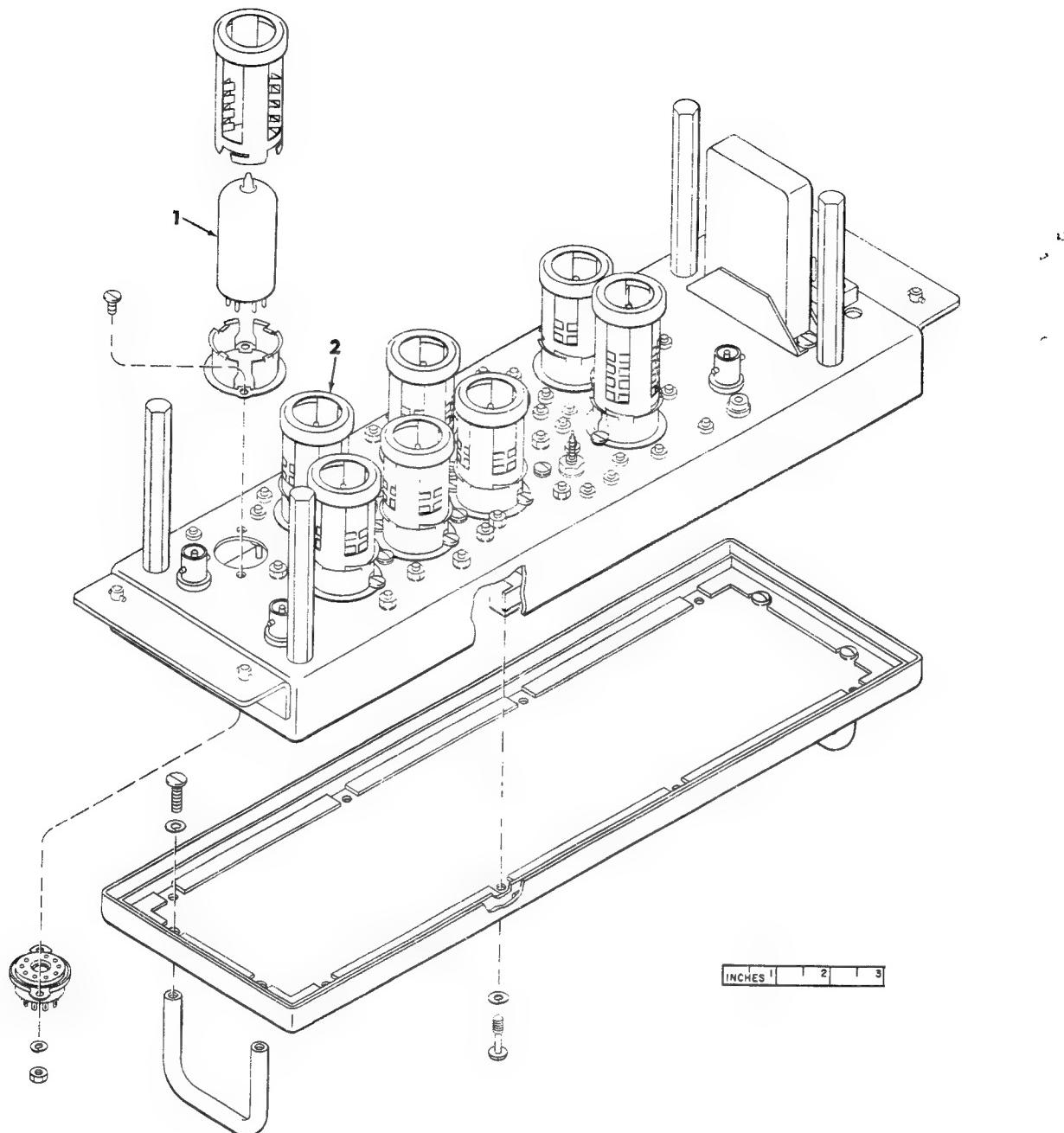
Figure 325. Filter assembly (9011984) - exploded view



1 CONNECTOR MS-27035-625B
2 JACK 8134425

ORD G284377

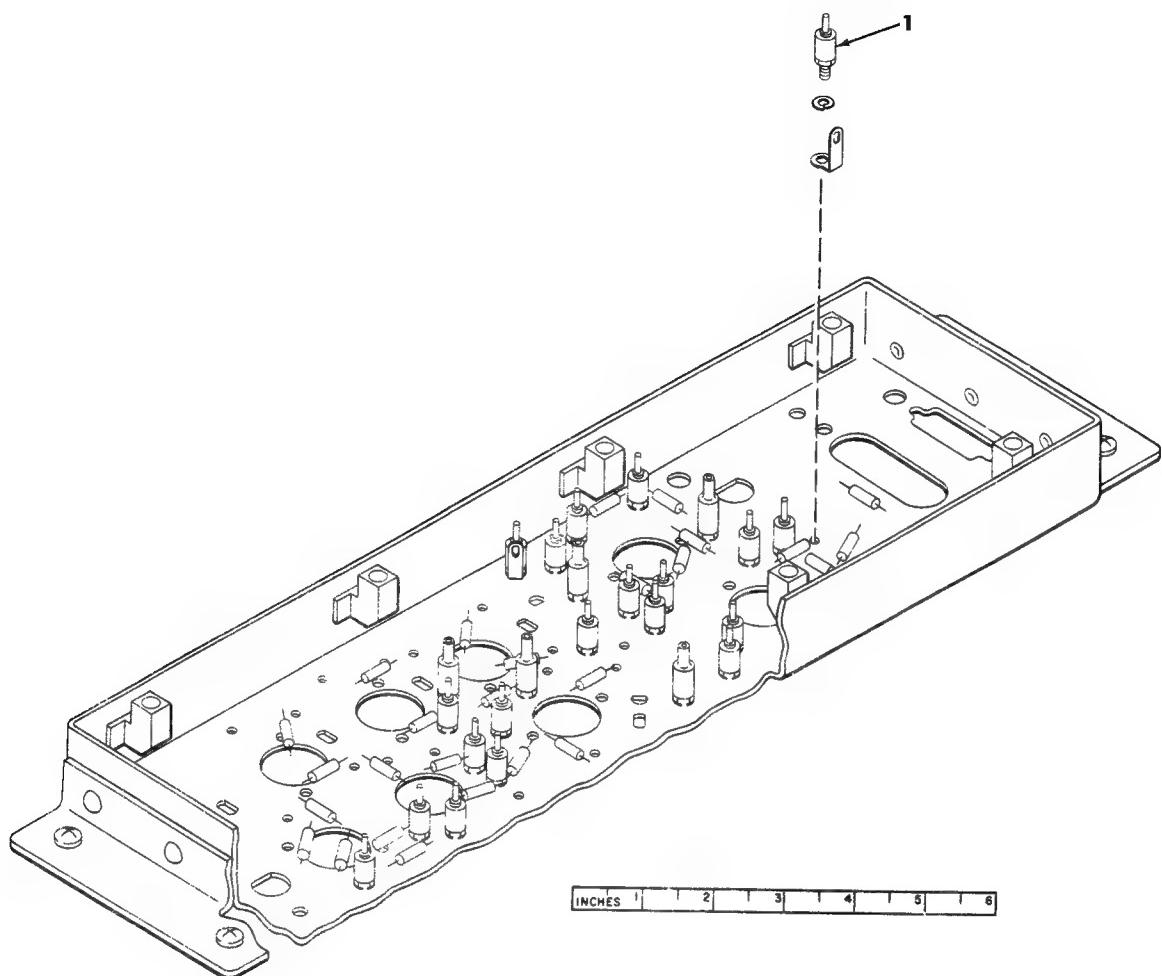
Figure 328. Detector, video signal (9012941)–partial exploded view



ORD G284376

1 ELECTRON TUBE 5687WA
2 ELECTRON TUBE 5670

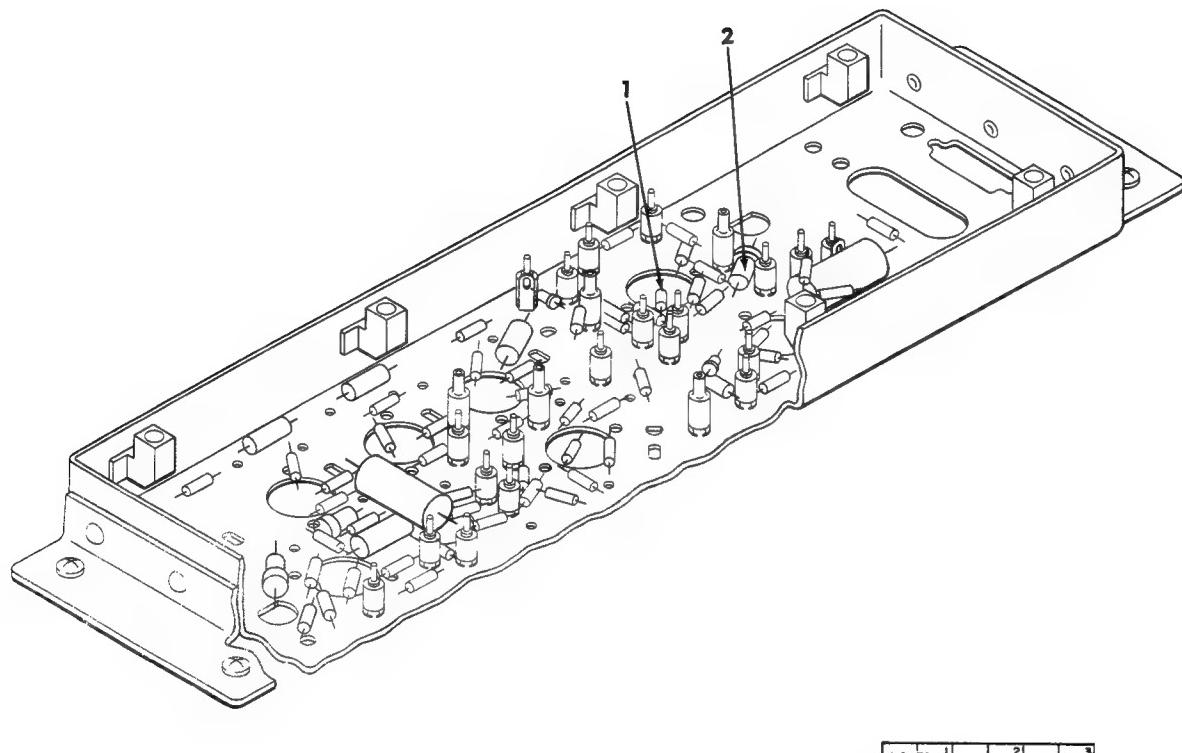
Figure 327. Detector, video signal (9012941)—partial exploded view



ORD G260094

1 TERMINAL 7598949

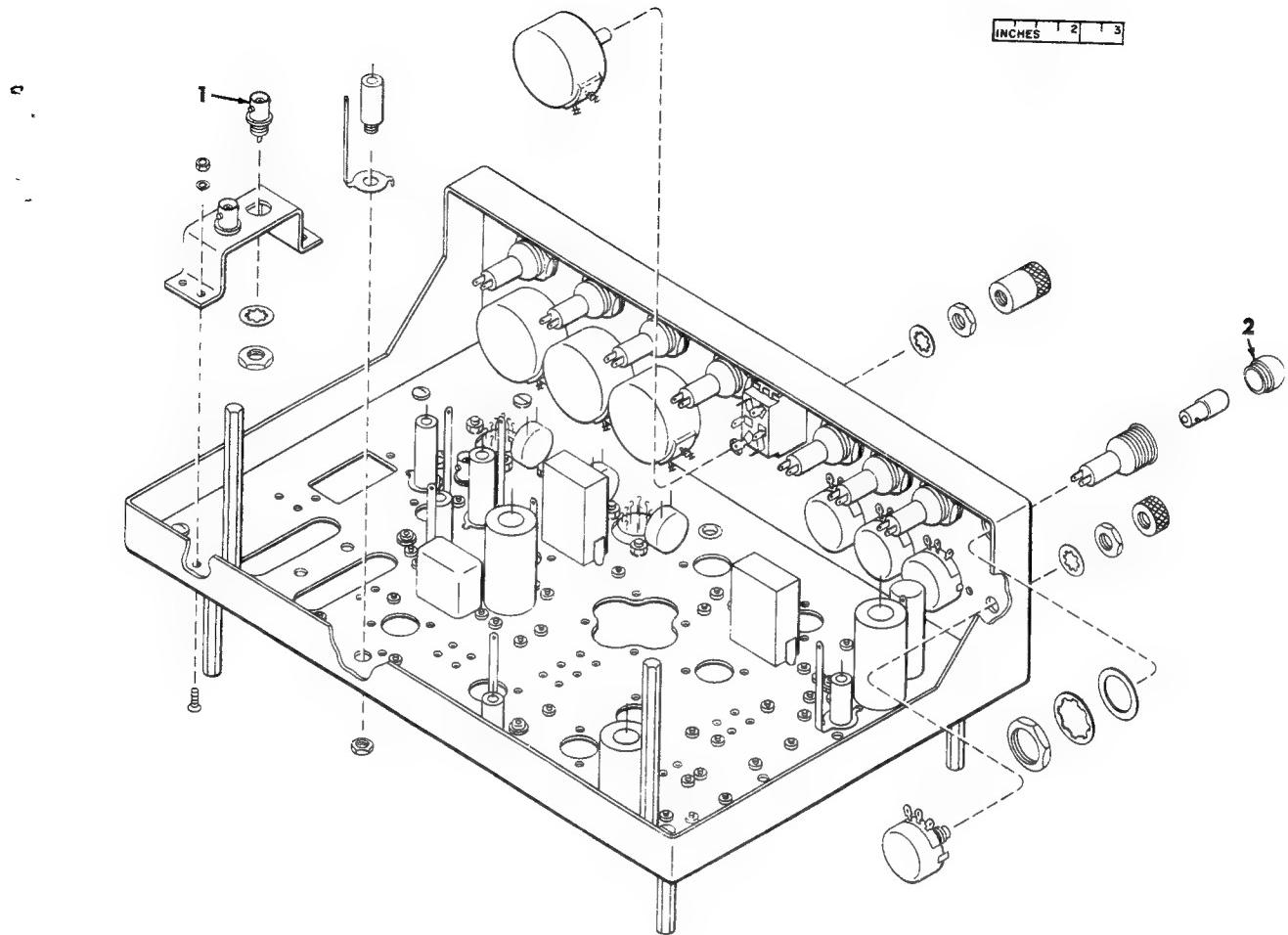
Figure 330. Detector, video signal (9012941) - partial exploded view



ORD G260093

- 1 SEMICONDUCTOR DEVICE
IN198
2 CAPACITOR 8023439

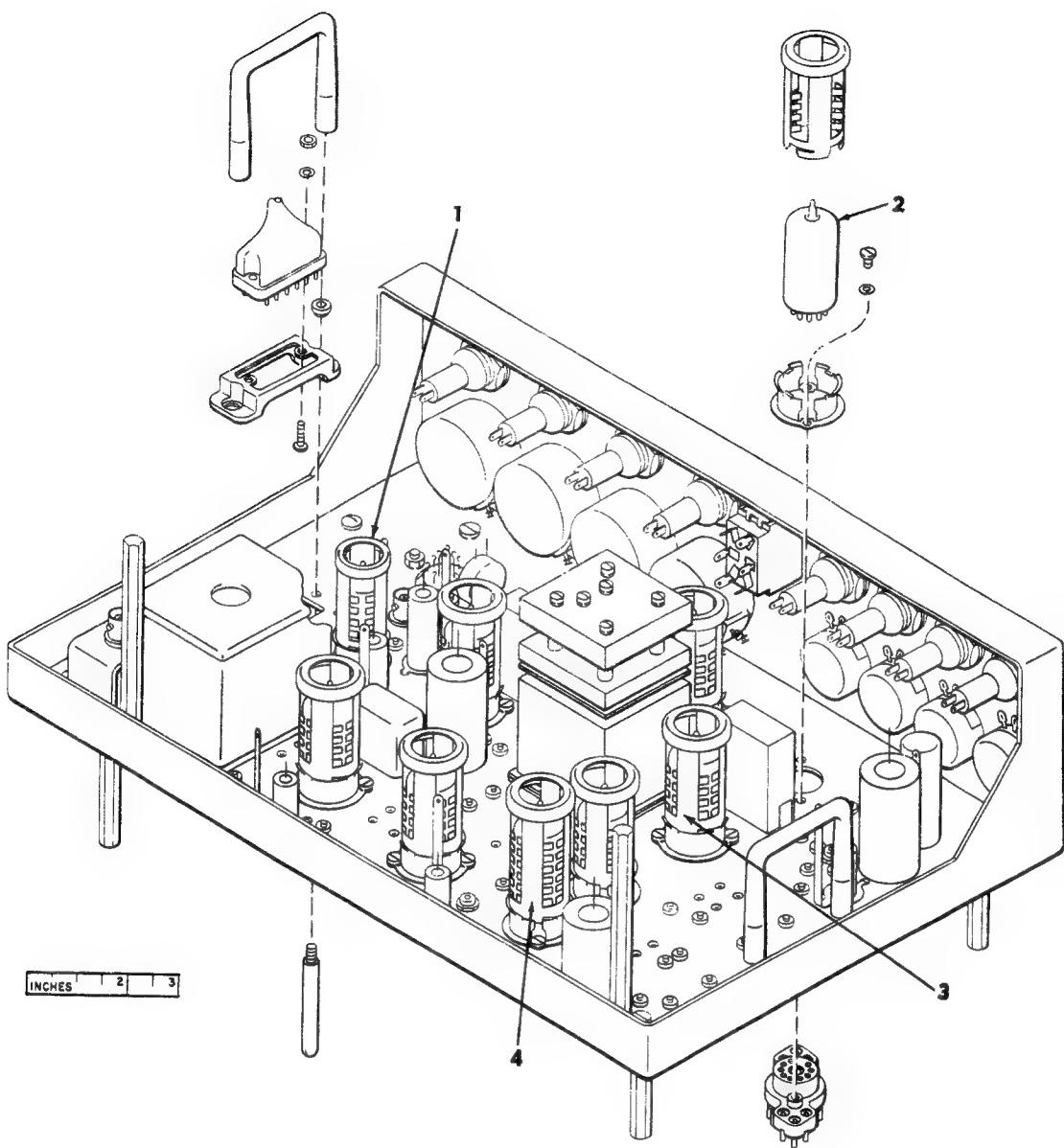
Figure 329. Detector, video signal (9012941)—partial exploded view



ORD G284379

1 CONNECTOR MS-27035-625B
 2 LENS 7600003

Figure 332. Synchronizer, electrical (9136696) – partial exploded view

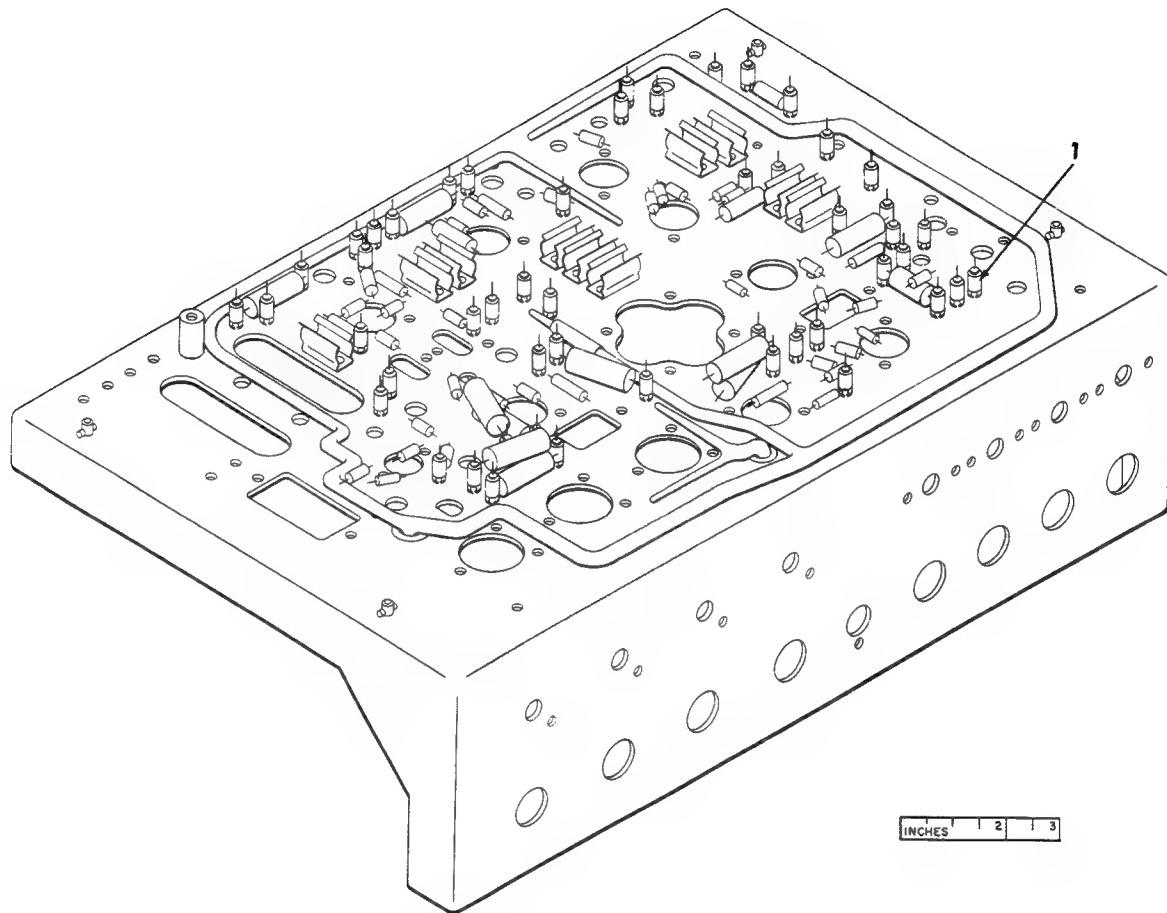


ORD G284378

1 ELECTRON TUBE 6AU6WB
 2 ELECTRON TUBE 5687WA

3 ELECTRON TUBE 5814A
 4 ELECTRON TUBE 6CL6

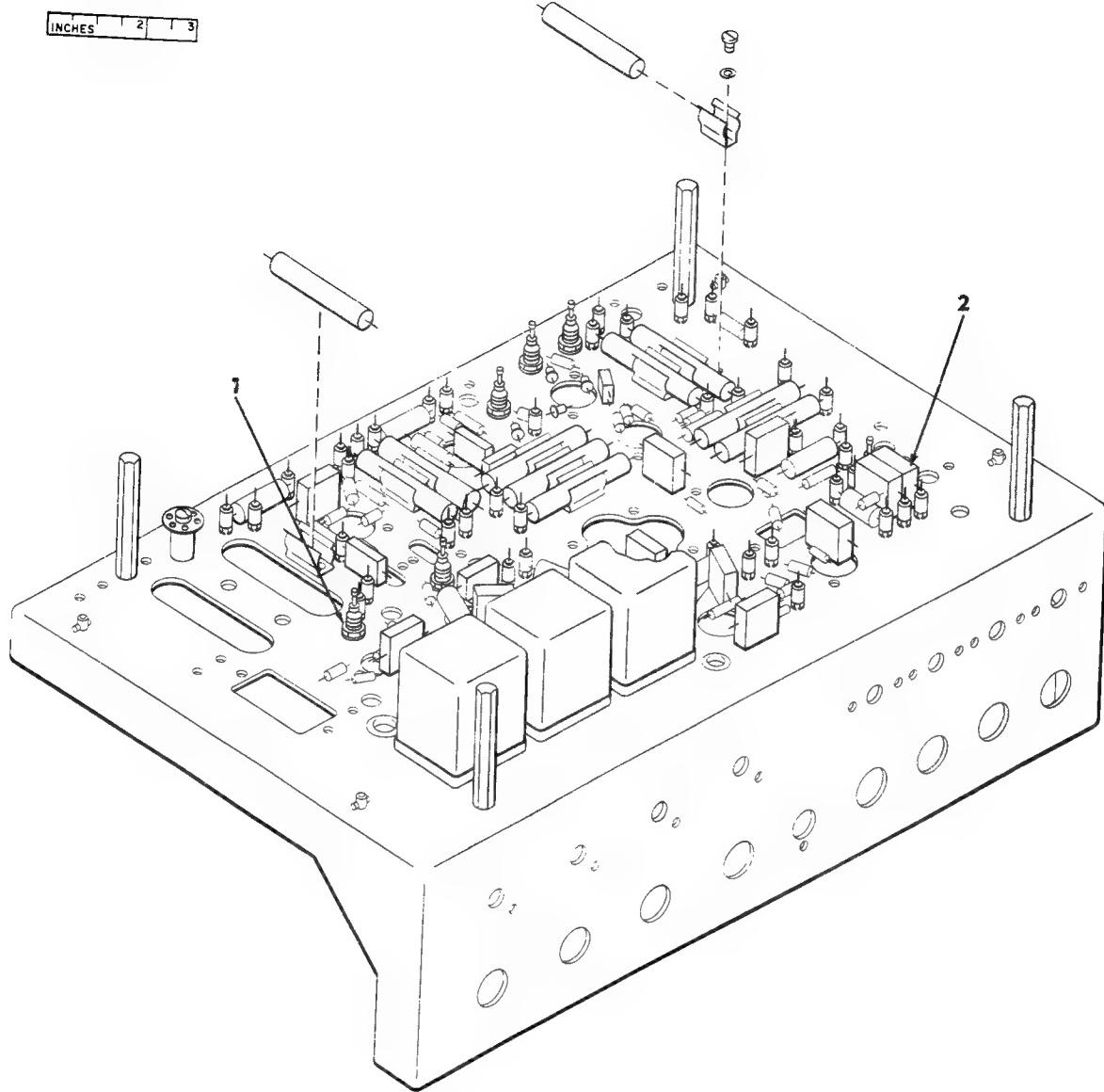
Figure 331. Synchronizer, electrical (9136696)—partial exploded view



ORD G260098

I TERMINAL 7598949

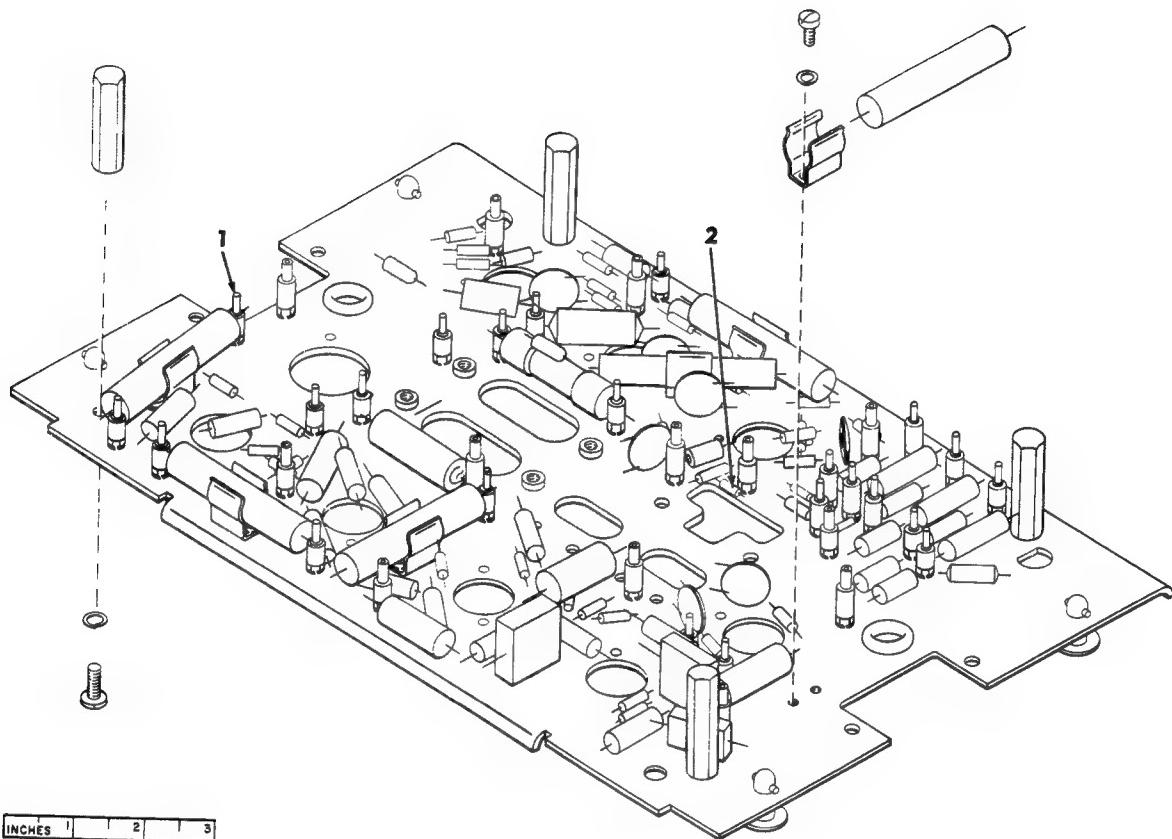
Figure 334. Synchronizer, electrical (9136696)—partial exploded view



ORD G284380

1 JACK 8175214
2 CAPACITOR CM35E103J

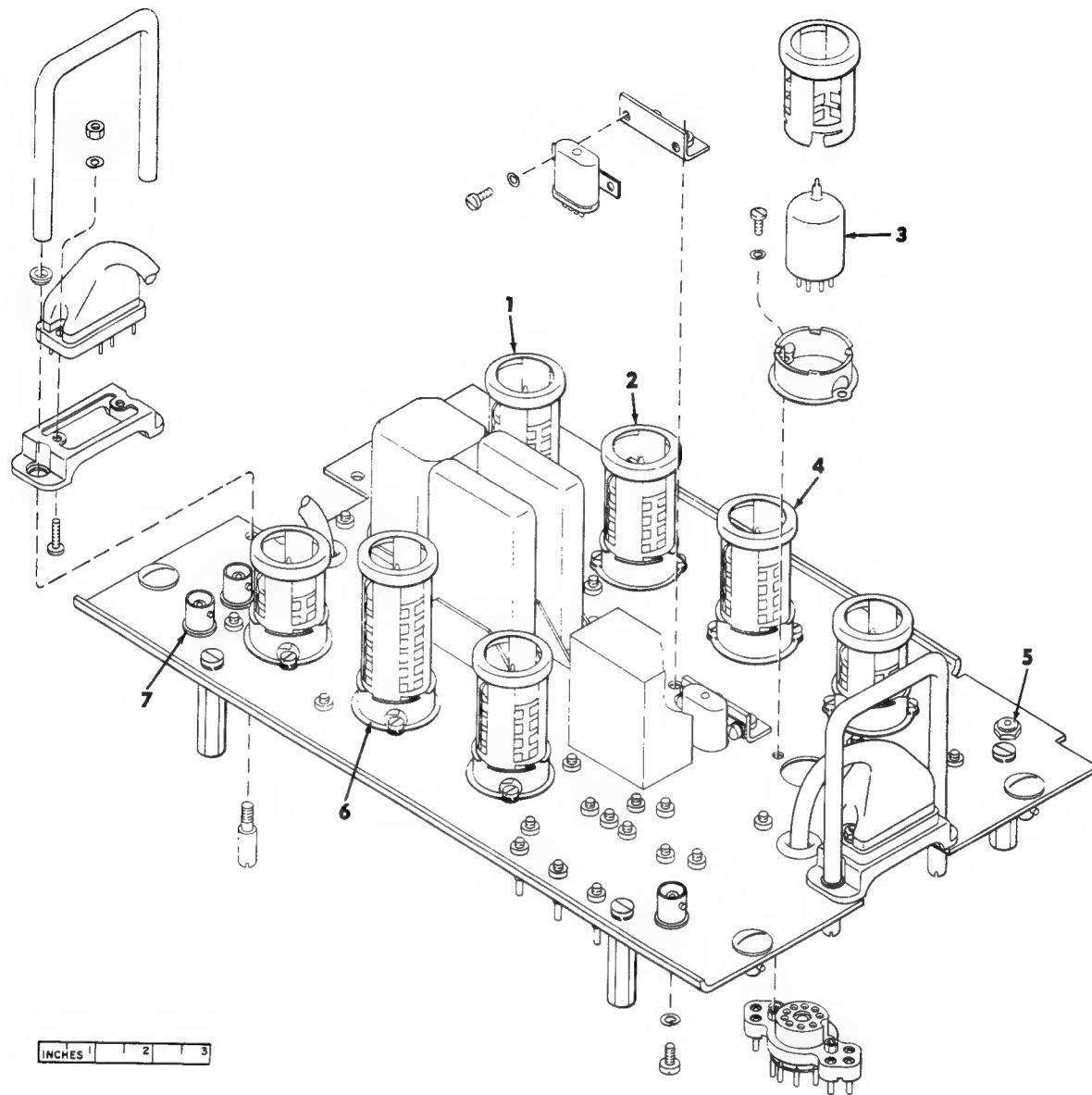
Figure 333. Synchronizer, electrical (9136696)–partial exploded view



ORD G284382

1 TERMINAL 7598949
2 SEMICONDUCTOR DEVICE
IN198

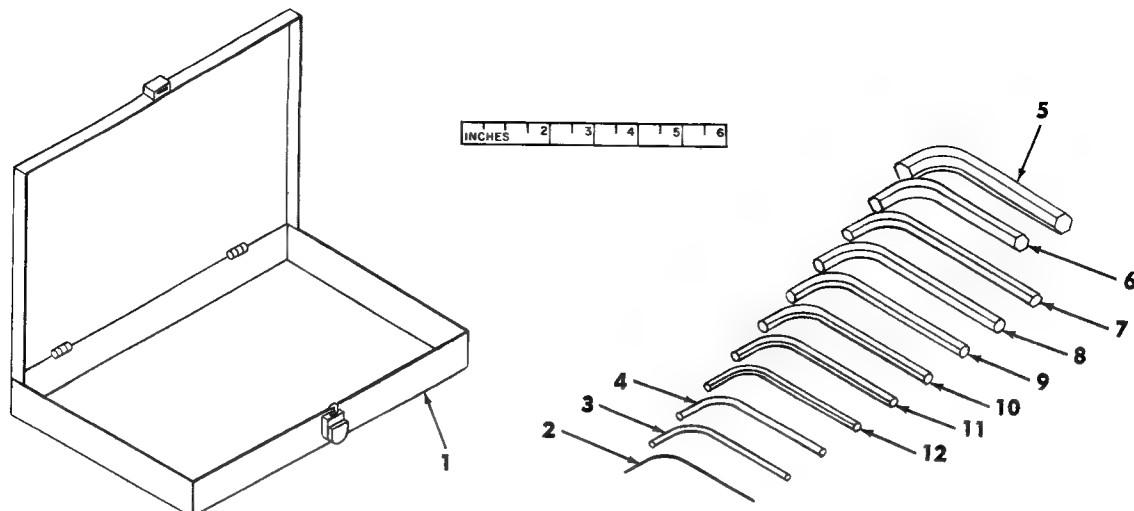
Figure 336. Control, receiver (9155859)—partial exploded view



- | | | |
|---|---------------|---------------|
| 1 | ELECTRON TUBE | 5814A |
| 2 | ELECTRON TUBE | 5687WA |
| 3 | ELECTRON TUBE | 5670 |
| 4 | ELECTRON TUBE | 5755 |
| 5 | JACK | 8175216 |
| 6 | ELECTRON TUBE | 6CL6 |
| 7 | CONNECTOR | MS-27035-6258 |

ORD G284381

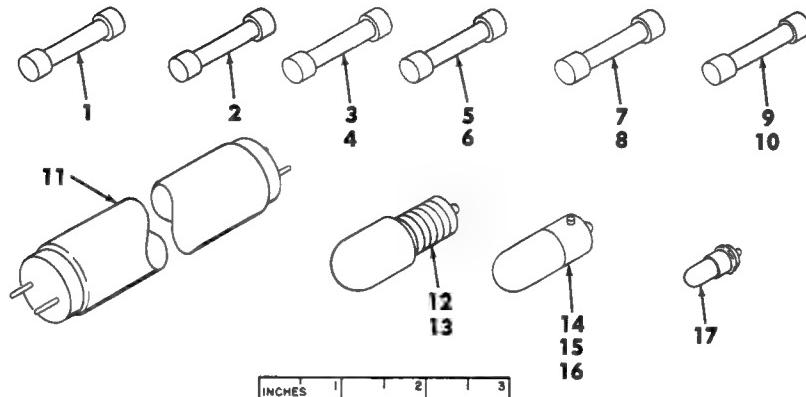
Figure 335. Control, receiver (9155859)—partial exploded view



ORD G284384

1	BOX	41-B-1642-90	7	KEY	41-W-2456
2	KEY	41-W-2444	8	KEY	41-W-2455
3	KEY	41-W-2446	9	KEY	41-W-2454
4	KEY	41-W-2449	10	KEY	41-W-2452
5	KEY	41-W-2445	11	KEY	41-W-2451
6	KEY	41-W-2453	12	KEY	41-W-2450

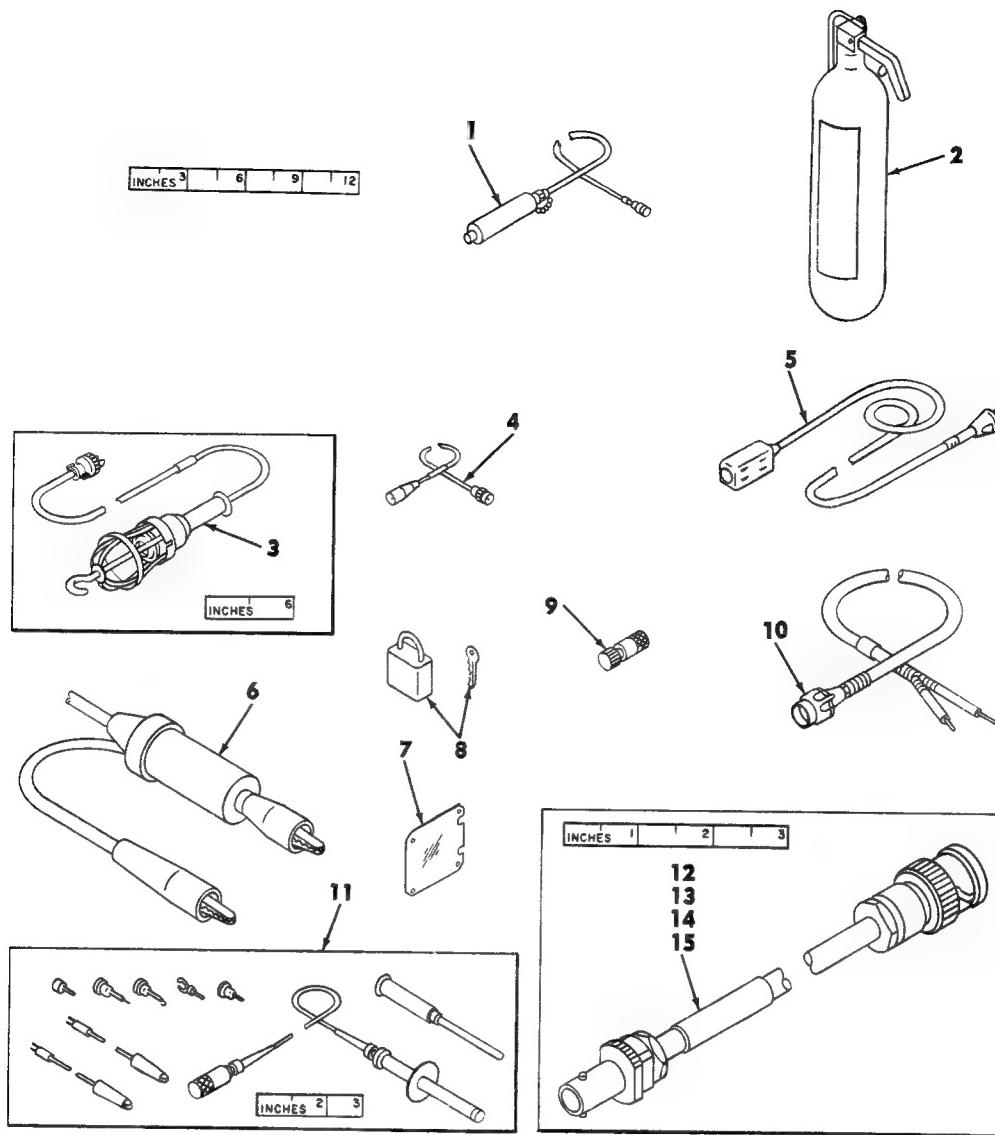
Figure 338. KEY set (41-W-2417-80)



ORD G284385

1	FUSE	9976156-1	10	FUSE	MS-90079-27
2	FUSE	F02A250V1/16A	11	LAMP	8331295
3	FUSE	8034518-3	12	LAMP	NE-51
4	FUSE	8034518-5	13	LAMP	8019877
5	FUSE	8516045	14	LAMP	NE-2A
6	FUSE	NAS-441-4-5	15	LAMP	MS-15584-6
7	FUSE	F02A250V6A	16	LAMP	8330088
8	FUSE	572981	17	LAMP	MS-35237-328
9	FUSE	MS-90080-7			

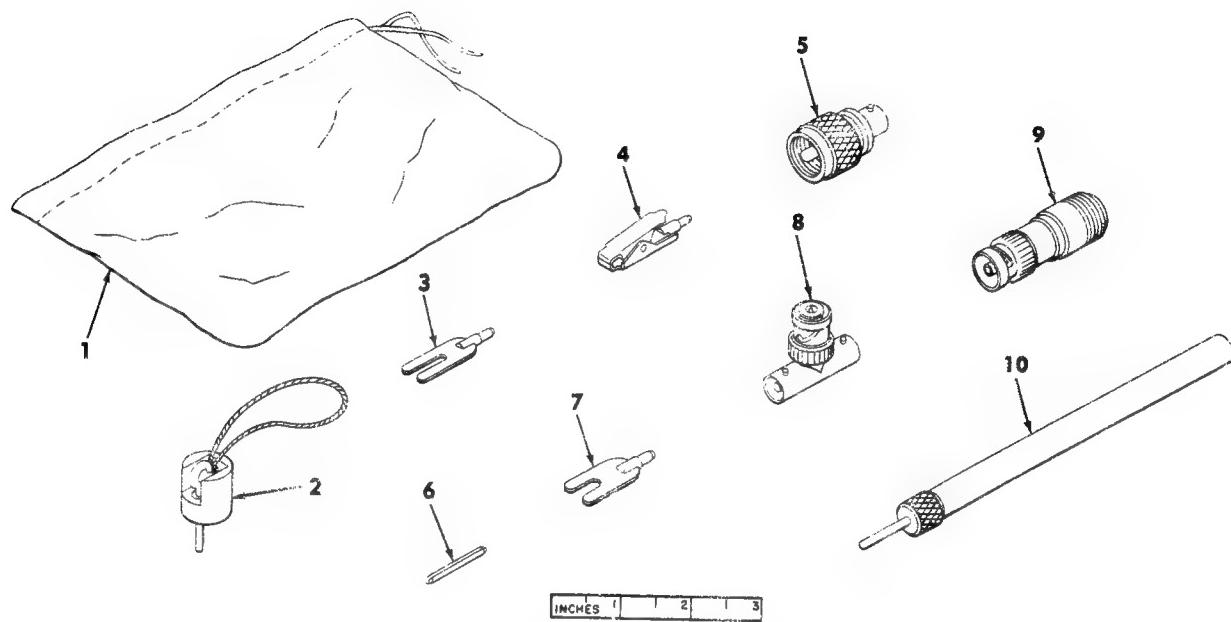
Figure 339. Miscellaneous electrical apparatus



ORD G284383

- | | | |
|----|---------------------|------------|
| 1 | CABLE ASSEMBLY | 8020899 |
| 2 | EXTINGUISHER | 7605701 |
| 3 | CORD | 7690671 |
| 4 | CABLE ASSEMBLY | 8020898 |
| 5 | CABLE ASSEMBLY | 7607430 |
| 6 | TEST PROBE ASSEMBLY | 7614756 |
| 7 | FILTER | 9986561 |
| 8 | PADLOCK | MS-35647-8 |
| 9 | CONNECTOR | 9986559 |
| 10 | CABLE ASSEMBLY | 8150481 |
| 11 | PROBE ASSEMBLY | 9986573 |
| 12 | CABLE ASSEMBLY | 8020894 |
| 13 | CABLE ASSEMBLY | 8020895 |
| 14 | CABLE ASSEMBLY | 8020896 |
| 15 | CABLE ASSEMBLY | 8020897 |

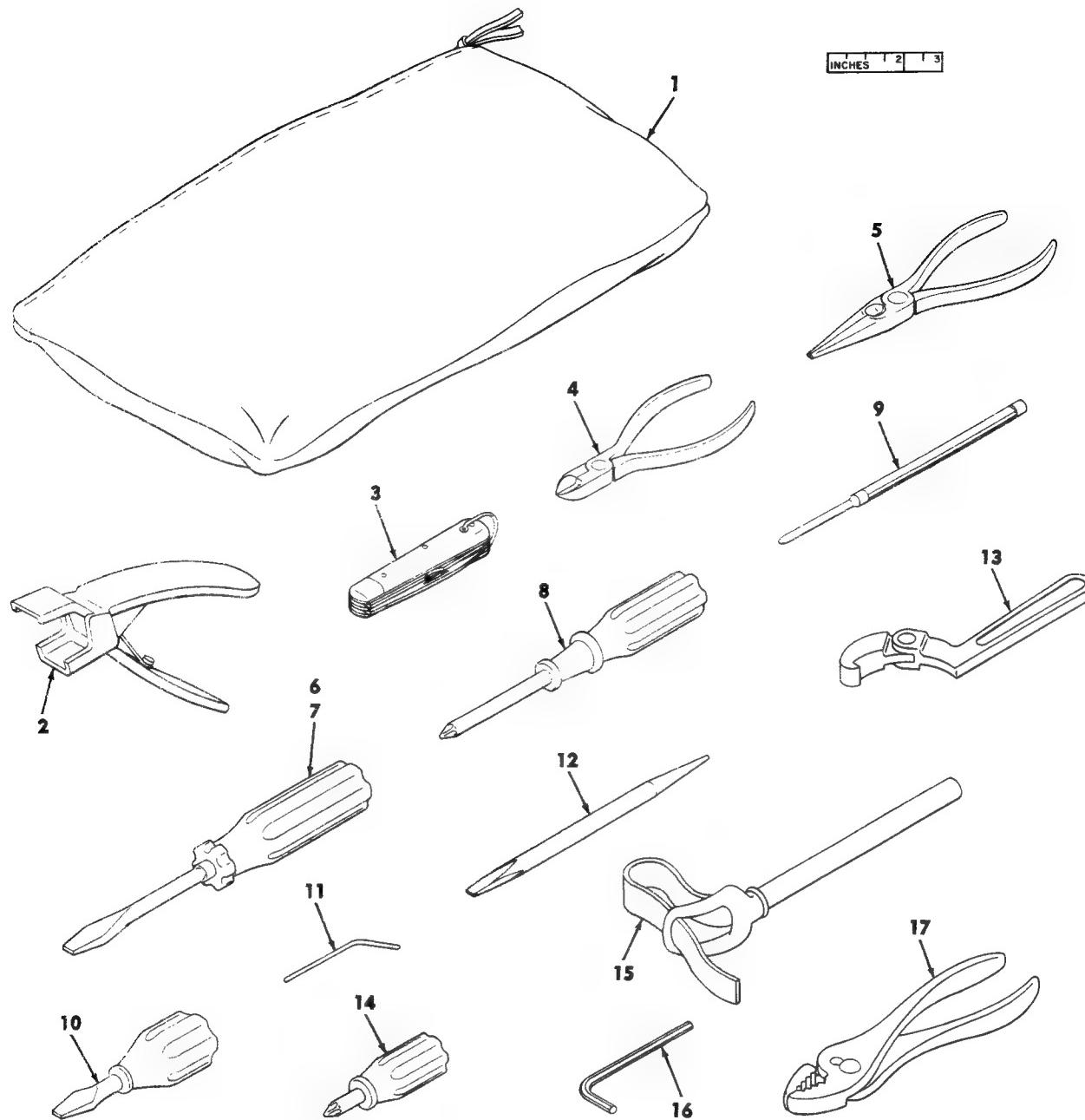
Figure 337. Miscellaneous apparatus



ORD G263441

- | | |
|-------------------|-------------------------|
| 1 BAG 7612781 | 6 PIN 7578681 |
| 2 CONTACT 7607433 | 7 TOOL 7578686 |
| 3 TOOL 7578680 | 8 ADAPTER MS-35173-2748 |
| 4 CLIP 7578683 | 9 ADAPTER 7601754 |
| 5 ADAPTER 7601753 | 10 TOOL 7578684 |

Figure 341. Test equipment set (9005464)



ORD G263425

1 BAG 8012689
 2 EXTRACTOR 7620765
 3 KNIFE 41-K-370
 4 PLIERS 41-P-1948
 5 PLIERS 7638739
 6 SCREWDRIVER 41-S-1552

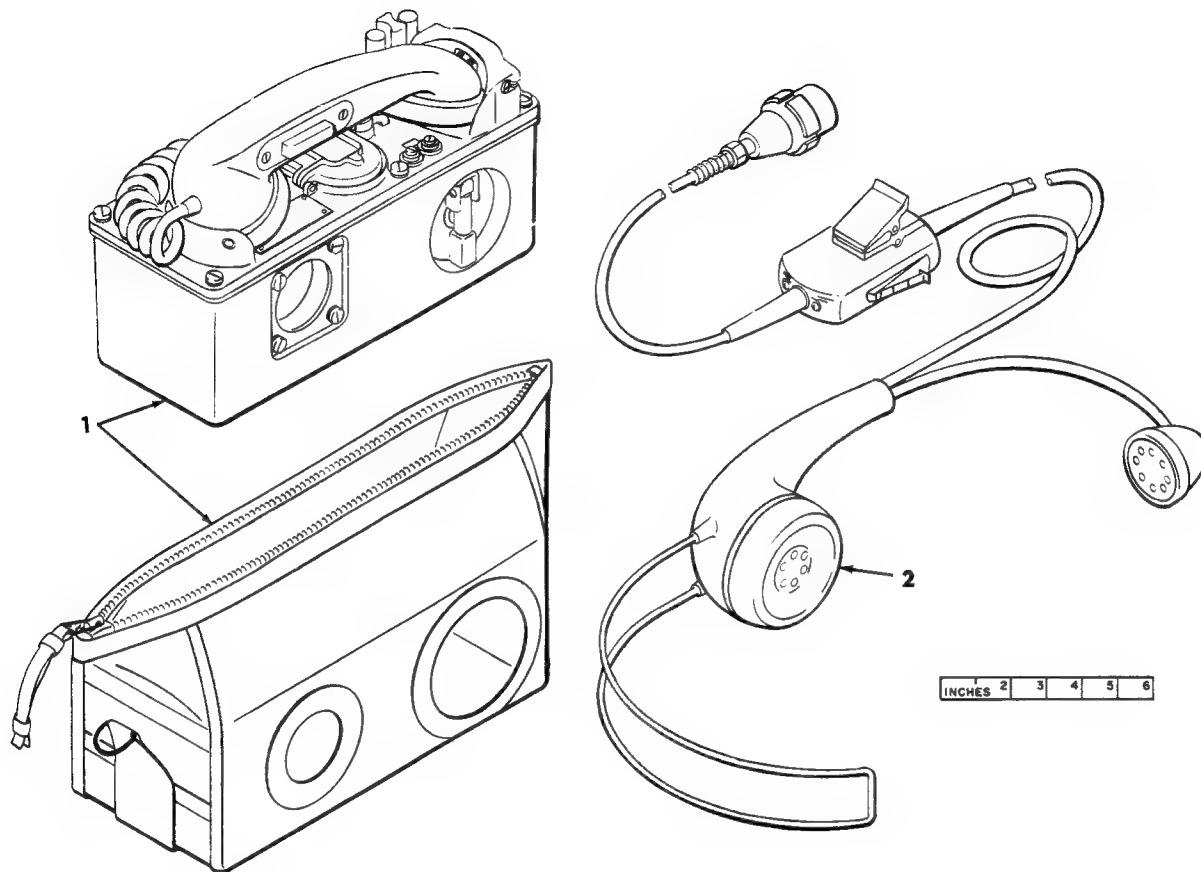
7 SCREWDRIVER 41-S-1228
 8 SCREWDRIVER 41-S-1645-15
 9 ALIGNMENT TOOL 7601883
 10 SCREWDRIVER 41-S-1062-90
 11 PIN 7601225
 12 SPUDGER 7578690

13 WRENCH MS-16147-1
 14 SCREWDRIVER MS-15224-2
 15 WRENCH MS-16183-1
 16 KEY 41-W-2446
 17 PLIERS 41-P-1650

Figure 340. Tool kit, radar control

SECTION III.
NUMERICAL INDEX

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.	REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
CM20CB20JP3	CAPACITOR	290	4	CP69BIEF105K1	CAPACITOR	293	1
CM35E103J	CAPACITOR	11	2	CP69B4EF254V1	CAPACITOR	293	2
		33	2	F02A250V1/16A	FUSE	349	2
		38	2	F02A250V6A	FUSE	22	4
		42	3			339	7
		45	1	F03A125V20A	FUSE	312	5
		53	1	F05B32B15A	FUSE	8	4
		54	4	F05B32V10A	FUSE	319	9
		57	2	F06A250V1A	FUSE	319	4
		71	3	F06A250V10A	FUSE	319	12
		77	1	F06A250V15A	FUSE	319	6
		86	1	F06A250V2A	FUSE	319	2
		101	3	F06A250V3A	FUSE	319	0
		110	3	F06A250V5A	FUSE	319	3
		115	1	H-144A/U	HEADSET-MICROPHONE	340	3
		124	1	MS-15224-2	SCREWDRIVER	340	14
		127	3	MS-15571-2	LAMP	65	2
		135	2			98	2
		157	2			107	2
		163	3			113	2
		166	3			227	1
		167	1			238	1
		169	1			240	5
		175	1			281	1
		185	1			318	4
		189	1	MS-15584-6	LAMP	339	15
		197	1	MS-16147-1	WRENCH	340	13
		211	1	MS-16183-1	WRENCH	340	15
		236	3	MS-25100-23	SWITCH	135	4
		254	1			151	2
		273	1			162	3
		276	2				
		279	3				
		300	2				
		302	1				
		307	1				
CM40E103J	CAPACITOR	333	2				
		52	2				
		53	4				
		54	2				
		57	1				
CP55B4EF104V1	CAPACITOR	187	3				
CP65B1EE105K1	CAPACITOR	104	5				
CP69BIEF105K1	CAPACITOR	13	2				
		55	1				
		162	2				
		288	1				
		291	1				



ORD G263442

1 TELEPHONE TA-312/PT
2 HEADSET-MICROPHONE
H-144A/U

Figure 342. Telephone equipment

NUMERICAL INDEX

TM 9-1430-250-12P/10/2

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.	REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
41-S-1645-15	SCREWDRIVER	340	8	5687WA	ELECTRON TUBE	49	8
41-W-2444	KEY	338	2			55	2
41-W-2445	KEY	338	5			75	1
41-W-2446	KEY	338	3			99	2
		340	16			111	1
41-W-2449	KEY	338	4			116	1
41-W-2450	KEY	338	12			120	3
41-W-2451	KEY	338	11			133	1
41-W-2452	KEY	338	10			142	1
41-W-2453	KEY	338	6			145	1
41-W-2454	KEY	338	9			155	1
41-W-2455	KEY	338	8			158	4
41-W-2456	KEY	338	7			161	4
SADP1	ELECTRON TUBE	97	1			164	1
		226	1			168	3
		280	1			174	1
SAFP1	ELECTRON TUBE	270	1			182	1
5651WA	ELECTRON TUBE	242	1			187	4
5670	ELECTRON TUBE	36	1			194	2
		40	1			198	2
		44	3			203	2
		49	2			208	3
		55	6			214	1
		70	2			229	3
		85	1			251	3
		102	1			255	2
		104	4			272	3
		125	1			275	1
		142	2			277	1
		145	4			288	3
		155	6			291	2
		158	6			293	4
		161	3			295	4
		164	3			297	3
		168	1			305	5
		174	2			327	1
		182	2			331	2
		187	1			335	2
		194	3	5693	ELECTRON TUBE	126	1
		198	3			128	1
		203	6			132	1
		208	2	5726/6AL5W	ELECTRON TUBE	282	2
		214	2			36	3
		249	3			40	3
		251	1			44	2
		266	2			49	1
		272	5			55	8
		277	4			70	1
		282	1			102	2
		288	2			109	4
		299	4			111	2
		305	2			145	6
		323	2			155	4
		327	2			174	4
		335	3			187	2
		16	2	5725/6AS6W	ELECTRON TUBE	44	1
5687WA	ELECTRON TUBE	19	1			55	7
		24	2			203	3
		32	1	5727/2D21W	ELECTRON TUBE	266	1
		36	2		FUSE	339	8
		40	2	5751	ELECTRON TUBE	142	3
		44	5			160	3
						232	2
						277	3
						301	2

NUMERICAL INDEX

NUMERICAL INDEX

TM 9-1430-250-12P/10/2

NUMERICAL INDEX

NUMERICAL INDEX

TM 9-1430-250-12P/10/2

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.	REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
8134425	JACK	46 50 56 68 160 171 204 215 248 298 328	2 4 1 1 1 3 2 2 1 4 2	8175216	JACK	143 158 204 298 335	2 7 4 1 5
8150481	CABLE ASSEMBLY	337	10	8175281	ELECTRON TUBE	145 155	5 5
8159246	GENERATOR	27	6	8175304	SWITCH	63 91 237 284	2 1 1 1
8159347	CODER	27	4	8175312	LENS	63 91 237	4 2 3
8159349	CODER	27	5	8175384	FUSE	8 319	6 5
8159350	PANEL	27	1	8175445	LENS	219	3
8168973	LENS	30 35	2 3	8175515	SEMICONDUCTOR	157	1
8171393	AMPLIFIER	96	2	8175553	BELT	4	1
8171572	GENERATOR	137	4	8175630	LENS	219	1
8171824	CABLE ASSEMBLY	2	3	8175631	LENS	219	2
8172375	GENERATOR	96	1	8175666	FILTER	3	1
8173585	FUSE	8	5	8176510	LAMP	141	1
8173973	GENERATOR	138	4	8177119	SWITCH	113	1
8175016	JACK	33 39 43 47 50 56	3 3 2 2 1 4	8217150	CRYSTAL UNIT	37 41	1 1
8175017	JACK	39 43 46 50 56 298 302	2 1 1 2 5 3 2	8328096	LENS	6 7 9 15 21 59 82 91 284 318	3 3 1 2 3 1 1 6 4 2
8175030	LENS	269	2	8330088	LAMP	339	16
8175031	LENS	269	4	8331295	LAMP	339	11
8175032	LENS	21 63 91 106 224 284 318	6 5 8 4 2 7 7	8511693	SWITCH	80 258	1 1
8175035	LENS	63 74 106 224	7 3 2 4	8513525	AMPLIFIER-MIXER	60	5
8175214	JACK	81 199 204 211 248 259 333	1 1 3 3 2 1 1	8515008	CRYSTAL UNIT	33 38 42 47 51 53 54 56 118	4 1 1 1 1 3 1 2 1
8175216	JACK	56	7	8515659	TRANSFORMER	85	2
				8515660	LENS	32 35 49 55	3 1 4 4
					ELECTRON TUBE	36	4

NUMERICAL INDEX

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
7602749	SWITCH	218	1
		257	1
		309	1
7605334	MOTOR-GENERATOR	72	1
		89	1
		90	1
		193	1
7605701	EXTINGUISHER	337	2
7605718	LAMP	6	2
		7	2
		9	2
		21	2
		30	1
		32	2
		35	2
		49	5
		55	5
		74	4
		91	5
		237	2
		284	3
		318	3
7607430	CABLE ASSEMBLY	337	5
7607433	CONTACT	341	2
7612362	CABLE ASSEMBLY	2	6
7612363	CABLE ASSEMBLY	2	7
7612364	CABLE ASSEMBLY	2	8
7612367	CABLE ASSEMBLY	2	5
7612781	BAG	341	1
7614253	AMPLIFIER	78	1
		256	2
7614301	SWITCH	136	1
7614756	TEST PROBE ASSEMBLY	337	6
7620552	REGULATOR	5	2
		313	3
7620765	EXTRACTOR	340	2
7621591	POWER SUPPLY	5	7
7638739	PLIERS	340	5
7674818	SYNCHRO	178	1
		179	1
		191	1
		192	1
7674819	SYNCHRO	98	1
		107	1
		304	1
7690671	CORD	337	3
8007327	CABLE ASSEMBLY	2	4
8007721	GENERATOR	60	1
8007722	OSCILLOSCOPE	60	2
8007725	GENERATOR	60	6
8007726	GENERATOR	60	7
8007727	GENERATOR	60	9

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
8007728	GENERATOR	60	8
8008199	CONTROL	138	6
8009261	SIMULATOR	64	2
8009590	FILTER	154	1
		201	1
		206	1
		210	3
		216	1
		217	1
8010134	TELEPHONE SET	61	1
		220	8
8010424	CHAIR	2	1
8010743	CAPACITOR	160	4
		170	2
8012689	BAG	340	1
8015382	REGULATOR	64	1
		141	2
		221	1
		222	1
8018269	PHOTOCELL UNIT	119	1
8019381	CRYSTAL UNIT	163	5
		166	1
		169	5
8019877	LAMP	339	13
8020894	CABLE ASSEMBLY	337	12
8020895	CABLE ASSEMBLY	337	13
8020896	CABLE ASSEMBLY	337	14
8020897	CABLE ASSEMBLY	337	15
8020898	CABLE ASSEMBLY	337	4
8020899	CABLE ASSEMBLY	337	1
8023439	CAPACITOR	101	4
		105	1
		157	3
		159	2
		188	2
		209	1
		231	1
		236	1
		273	2
		329	2
8024302	MOTOR	180	2
8024445	CRYSTAL UNIT	146	1
		274	1
		276	1
		278	1
8034518-3	FUSE	339	3
8034518-5	FUSE	22	3
		339	4
8034518-6	FUSE	8	7
		312	3
		319	8
8134425	JACK	33	5
		39	1
		43	4

NUMERICAL INDEX

TM 9-1430-250-12P/10/2

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.	REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
9155859	CONTROL	316	2				
9156065	AMPLIFIER	225	2				
9156311	AMPLIFIER	279	3				
9156506	MONITOR	137	2				
9160617	GENERATOR	240	6				
9160636	MODULATION	240	2				
9976102	LAMP	269	1				
9976156	FUSE	312	1				
9976156-1	FUSE	339	1				
9976156-2	FUSE	312 319	2 1				
9976373-1	FUSE	319	11				
9976464	LENS	148 149	1 2				
9983715	SYNCHRONIZER	27	3				
9986339	AMPLIFIER	218	2				
9986413	AMPLIFIER	240	4				
9986424	POWER SUPPLY	5 220 313	3 1 2				
9986425	POWER SUPPLY	5	5				
9986559	CONNECTOR	337	9				
9986561	FILTER	337	7				
9986573	PROBE ASSEMBLY	337	11				
9986952	FUSE	8	1				
9986952-2	FUSE	8	8				
9988894	TRACKING STATION	1					
9989392	SYNCHRONIZER	218	4				
9993034	AMPLIFIER	65	1				
9993998	CABLE ASSEMBLY	2	9				
9995950	AMPLIFIER	256	4				
9995973	SYNCHRO ASSEMBLY	220	6				
9996138	FILTER	137	3				
9997999	AMPLIFIER-DETECTOR	140	4				
9998462	GENERATOR	279	1				

NUMERICAL INDEX

REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.	REFERENCE NO.	ITEM NAME	FIG. NO.	ITEM NO.
8515660	ELECTRON TUBE	40	4	9017174	BOOT	269 284	5 5
8516045	FUSE	339	5	9136696	SYNCHRONIZER	316	1
8517364	AMPLIFIER	65	4	9136917	AMPLIFIER	225 279	3 4
8517446	AMPLIFIER	97	2	9137420	SEMICONDUCTOR	176 212 217 308	1 1 2 1
8517944	AMPLIFIER	138	5	9137641	REGULATOR	5 313	4 4
8519197	LAMP	313	1	9139125	AMPLIFIER	268	1
8520413	ADAPTER	60	10	9139336	GENERATOR	268	3
		218	5	9139337	RECEIVER	314	3
9000007	GENERATOR	60	3	9139349	GENERATOR	268	2
9000051	AMPLIFIER	190	1	9139862	AMPLIFIER	186	1
9000695	SWITCH	82 83 87 91 106 261 263 264	5 5 4 9 1 1 2 2	9140083	CONTROL-INDICATOR	27	2
9004080	COIL	48 50 56	1 3 6	9140697	POWER SUPPLY	5 310	8 1
9005495	AMPLIFIER	78 256	2 3	9140767	AMPLIFIER	256	1
9006949	AMPLIFIER	63 218	1 6	9140771	CONVERTER	138	2
9007312	FUSE	312	4	9141252	OSCILLATOR	177	1
9007334	CONTROL	137	6	9142849	GENERATOR	60	4
9007519	SEMICONDUCTOR	25	1	9143780	GENERATOR	137 311	1 1
9007682	GENERATOR	220	4	9143848	GENERATOR	225	1
9007695	GATE	243 250	1 1	9143996	GENERATOR ASSEMBLY	279 138	2 3
9008187	CONVERTER	137	5	9144063	CHAIR	2	2
9009270	DETECTOR	140	5	9144073	FUSEHOLDER	6 15 22 319	4 1 1 7
9009281	AMPLIFIER	140	3	9144180	ELECTRON TUBE	246	2
9009464	CONTROL	140	2	9144701	GENERATOR	240	3
9009562	AMPLIFIER-DETECTOR	140	1	9144784	DETECTOR	220	7
9012081	FILTER	315	1	9144785	GENERATOR	220	2
9012908	AMPLIFIER	315	2	9144786	SYNCHRONIZER	218	3
9012941	DETECTOR	315	3	9145029	AMPLIFIER	240	1
9012970	DETECTOR	314	1	9145772	AMPLIFIER	220	3
9016020	POWER SUPPLY	5	1	9145780	GENERATOR	220	5
9017174	BOOT	82 83 87 91 106 239 263 264	3 4 3 7 3 1 1 1	9150659	FUSE	8 22	2 2
				9154656	TIMER	5 314	6 2
				9155814	AMPLIFIER	138	1

By Order of the Secretary of the Army:

Official:

J. C. LAMBERT,
Major General, United States Army,
The Adjutant General.

EARLE G. WHEELER,
General, United States Army,
Chief of Staff.

Distribution:

To be distributed in accordance with DA Form 12-32, Sec II, Unclassified requirements for Improved Nike-Hercules, TMP, Ground Control Equipment.





TM 9-1430-250-12P/10/2

RADAR COURSE DIRECTING CENTRAL TRACKING STATION,
GUIDED MISSILE, TRAILER MOUNTED AN/MPA-5A AND AN/MPA-5B—1964